

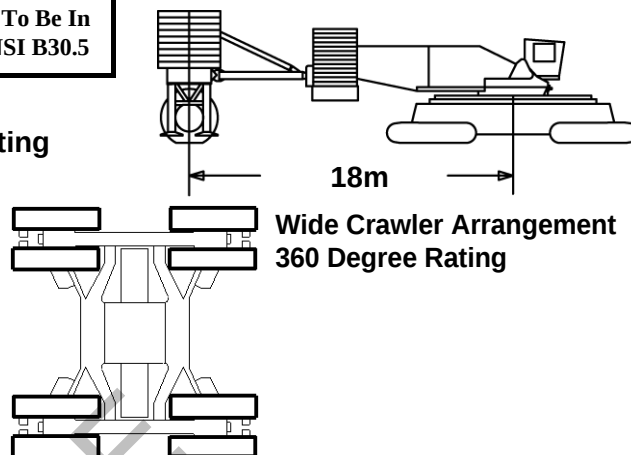
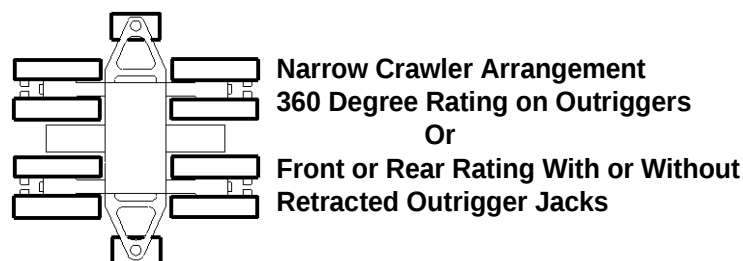
# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 42.7m Mast No. 81  
224 390 kg Crane Counterweight  
90 720 kg Carbody Counterweight  
350 170 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



**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

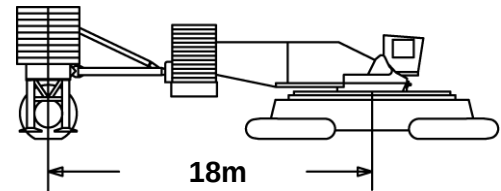
**21000**

**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  
350 170 kg Wheeled Counterweight  
at 18m Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

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

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

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

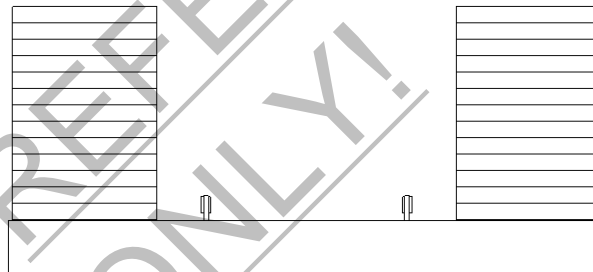
retractable gantry, 20 part boom hoist reeving, boom support straps, 22 part luffing jib hoist reeving, luffing jib and backstay support straps, 224 390 kg crane counterweight, two 24 270 kg and two 21 090 kg carbody counterweights and 350 170 kg wheeled counterweight.

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

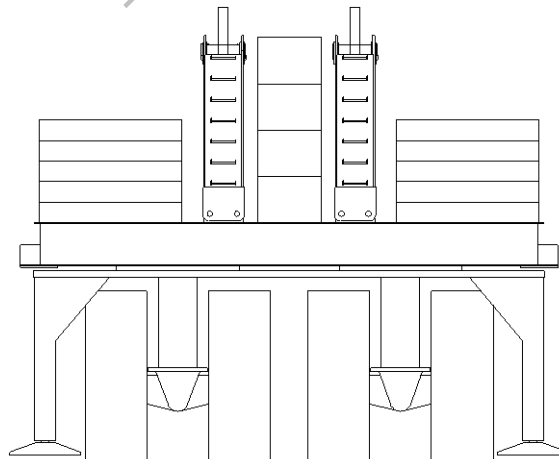
**Warning:** Narrow crawler arrangement requires set outrigger jacks to swing beyond front or rear operating range.

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



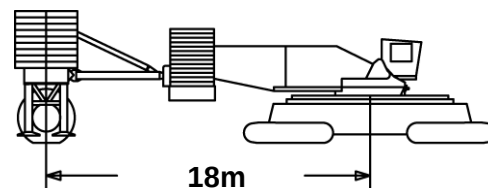
350 170 kg Wheeled Counterweight  
10 Side Boxes - 4 Center Boxes

# 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  
350 170 kg Wheeled Counterweight  
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| WITH OR WITHOUT BOOM AND/OR JIB CATWALKS                                                                                   |                               |                                         |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------|
| Maximum Boom and Luffing Jib Lengths<br>Lifted Unassisted Using Jack-Knife Method<br>With 350 170 kg Wheeled Counterweight |                               |                                         |
| Boom<br>Length<br>Feet                                                                                                     | Luffing Jib<br>No. 81<br>Feet | Boom to Luffing<br>Jib Angle<br>Degrees |
| Over End of Unblocked Crawlers                                                                                             |                               |                                         |
| 54.9 - 85.3                                                                                                                | 36.6 - 91.4                   | 90                                      |
| 91.4                                                                                                                       | 36.6 - 91.4                   | 60                                      |
| 97.5                                                                                                                       | 36.6 - 79.2                   | 60                                      |
| Load blocks, hook and weight ball on ground until boom and luffing jib are erected.                                        |                               |                                         |

## RAISING AND LOWERING PROCEDURE

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

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

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

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

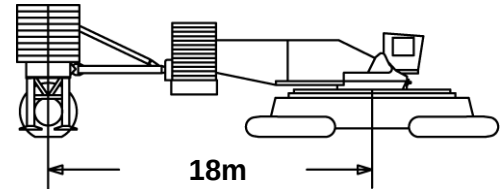
**CAUTION:** Do not under any condition allow boom to luffing jib angle to become less than 60 degrees.

# Liftcrane Luffing Jib Capacities

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Luffing Jib No. 81 On  
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224 390 kg Crane Counterweight  
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Narrow or Wide Crawler Arrangement - 360 Degree Rating

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## 54.9m (180 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                       | 410 100*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.0                      |
| 26.0                      | 60.8                    | 89.8                       | 377 200*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.0                      |
| 28.0                      | 57.1                    | 88.6                       | 349 200*b                            | 65.8                    | 90.6                       | 337 400*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.0                      |
| 30.0                      | 53.2                    | 87.1                       | 324 900*                             | 62.2                    | 89.6                       | 313 700*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                      |
| 32.0                      | 49.1                    | 85.4                       | 303 400*                             | 58.6                    | 88.4                       | 293 100*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 44.7                    | 83.4                       | 284 400*                             | 54.7                    | 87.0                       | 274 700*b                            | 63.5                    | 88.9                       | 265 100*b                            |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 39.9                    | 81.1                       | 267 400*                             | 50.7                    | 85.4                       | 258 400*                             | 59.9                    | 87.7                       | 249 200*b                            |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 34.5                    | 78.3                       | 252 100*                             | 46.4                    | 83.5                       | 243 700*                             | 56.1                    | 86.4                       | 235 000*b                            |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 28.1                    | 74.8                       | 238 100*                             | 41.8                    | 81.3                       | 230 300*                             | 52.2                    | 84.9                       | 222 200*                             |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 19.9                    | 69.9                       | 224 600*                             | 36.7                    | 78.7                       | 218 200*                             | 48.0                    | 83.1                       | 210 600*                             | 57.3                    | 85.3                       | 203 000*b                            |                         |                            |                                      | 42.0                      |
| 44.0                      |                         |                            |                                      | 30.8                    | 75.6                       | 207 000*                             | 43.5                    | 81.0                       | 199 900*                             | 53.4                    | 83.8                       | 192 700*                             |                         |                            |                                      | 44.0                      |
| 46.0                      |                         |                            |                                      | 23.5                    | 71.4                       | 196 600*                             | 38.6                    | 78.6                       | 190 100*                             | 49.3                    | 82.1                       | 183 300*                             |                         |                            |                                      | 46.0                      |
| 48.0                      |                         |                            |                                      |                         |                            |                                      | 33.0                    | 75.7                       | 181 100*                             | 44.9                    | 80.2                       | 174 700*                             |                         |                            |                                      | 48.0                      |
| 50.0                      |                         |                            |                                      |                         |                            |                                      | 26.3                    | 71.9                       | 172 600*                             | 40.1                    | 77.9                       | 166 600*                             | 50.2                    | 80.6                       | 160 500*                             | 50.0                      |
| 52.0                      |                         |                            |                                      |                         |                            |                                      | 17.3                    | 66.5                       | 164 500*                             | 34.8                    | 75.1                       | 159 100*                             | 45.9                    | 78.7                       | 153 400*                             | 52.0                      |
| 54.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.5                    | 71.6                       | 152 100*                             | 41.2                    | 76.5                       | 146 700*                             | 54.0                      |
| 56.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.4                    | 66.9                       | 145 400*                             | 36.0                    | 73.9                       | 140 400*                             | 56.0                      |
| 58.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                    | 70.6                       | 134 500*                             | 58.0                      |
| 60.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.5                    | 66.2                       | 128 900*                             | 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.

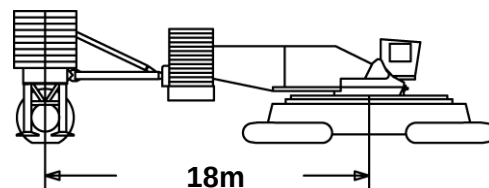
**Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).**

# 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  
350 170 kg Wheeled Counterweight  
at 18m Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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**21000  
MAX-ER**



## 54.9m (180 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                       | 376 100*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.0                      |
| 28.0                      | 62.3                    | 95.7                       | 348 000*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.0                      |
| 30.0                      | 59.2                    | 94.5                       | 323 800*                             | 66.5                    | 96.4                       | 312 200*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                      |
| 32.0                      | 56.0                    | 93.2                       | 302 400*                             | 63.5                    | 95.4                       | 291 500*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 52.6                    | 91.7                       | 283 500*                             | 60.4                    | 94.3                       | 273 300*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 49.1                    | 90.0                       | 266 600*                             | 57.2                    | 93.0                       | 257 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 45.3                    | 88.0                       | 251 500*                             | 53.9                    | 91.6                       | 242 400*                             | 61.5                    | 93.6                       | 233 300*b                            |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 41.3                    | 85.8                       | 237 700*                             | 50.5                    | 90.0                       | 229 200*                             | 58.4                    | 92.4                       | 220 600*                             |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 36.9                    | 83.2                       | 225 200*                             | 46.8                    | 88.1                       | 217 200*                             | 55.1                    | 91.0                       | 209 100*                             |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 32.0                    | 80.1                       | 213 800*                             | 42.9                    | 86.0                       | 206 200*                             | 51.7                    | 89.5                       | 198 500*                             |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 26.2                    | 76.3                       | 203 200*                             | 38.7                    | 83.6                       | 196 200*                             | 48.1                    | 87.7                       | 188 900*                             | 56.1                    | 89.9                       | 181 500*                             |                         |                            |                                      | 46.0                      |
| 48.0                      | 18.8                    | 71.2                       | 193 200*                             | 34.0                    | 80.7                       | 186 800*                             | 44.3                    | 85.7                       | 180 000*                             | 52.8                    | 88.4                       | 173 000*                             |                         |                            |                                      | 48.0                      |
| 50.0                      |                         |                            |                                      | 28.6                    | 77.3                       | 178 200*                             | 40.2                    | 83.4                       | 171 700*                             | 49.2                    | 86.7                       | 165 100*                             |                         |                            |                                      | 50.0                      |
| 52.0                      |                         |                            |                                      | 22.0                    | 72.8                       | 170 000*                             | 35.7                    | 80.7                       | 164 100*                             | 45.5                    | 84.8                       | 157 800*                             | 53.5                    | 86.9                       | 151 600*                             | 52.0                      |
| 54.0                      |                         |                            |                                      |                         |                            |                                      | 30.7                    | 77.5                       | 156 900*                             | 41.5                    | 82.6                       | 151 000*                             | 50.0                    | 85.2                       | 145 000*                             | 54.0                      |
| 56.0                      |                         |                            |                                      |                         |                            |                                      | 24.6                    | 73.4                       | 150 100*                             | 37.1                    | 80.0                       | 144 600*                             | 46.4                    | 83.4                       | 138 900*                             | 56.0                      |
| 58.0                      |                         |                            |                                      |                         |                            |                                      | 16.4                    | 67.7                       | 143 600*                             | 32.2                    | 77.0                       | 138 600*                             | 42.4                    | 81.2                       | 133 200*                             | 58.0                      |
| 60.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.5                    | 73.2                       | 132 900*                             | 38.2                    | 78.7                       | 127 800*                             | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 19.2                    | 68.2                       | 127 400*                             | 33.4                    | 75.8                       | 122 700*                             | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 4.2                     | 57.2                       | 121 600*                             | 27.9                    | 72.3                       | 117 900*                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.1                    | 67.6                       | 113 200*                             | 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

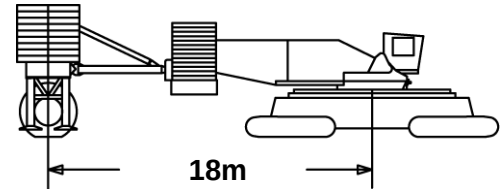
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**MAX-ER**

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Boom No. 80 With 42.7m Mast No. 81  
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90 720 kg Carbody Counterweight  
350 170 kg Wheeled Counterweight  
at 18m Position

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The Scope of ANSI B30.5

Narrow or Wide Crawler Arrangement - 360 Degree Rating



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

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 347 500*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.0                      |
| 30.0                      | 63.4                    | 101.6                      | 323 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                      |
| 32.0                      | 60.7                    | 100.4                      | 301 500*                             | 67.1                    | 102.2                      | 290 200*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 58.0                    | 99.2                       | 282 700*                             | 64.5                    | 101.3                      | 272 100*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 55.1                    | 97.8                       | 265 900*                             | 61.8                    | 100.2                      | 255 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 52.1                    | 96.3                       | 250 800*                             | 59.1                    | 99.0                       | 241 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 49.1                    | 94.6                       | 237 100*                             | 56.2                    | 97.7                       | 228 200*                             | 62.8                    | 99.5                       | 219 400*                             |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 45.8                    | 92.7                       | 224 700*                             | 53.3                    | 96.2                       | 216 300*                             | 60.0                    | 98.3                       | 207 800*                             |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 42.3                    | 90.5                       | 213 400*                             | 50.3                    | 94.6                       | 205 400*                             | 57.3                    | 97.1                       | 197 400*                             |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 38.6                    | 88.1                       | 201 700*                             | 47.1                    | 92.7                       | 195 400*                             | 54.4                    | 95.7                       | 187 800*                             |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 34.6                    | 85.2                       | 188 800*                             | 43.7                    | 90.7                       | 186 200*                             | 51.4                    | 94.1                       | 179 000*                             | 58.1                    | 96.0                       | 171 700*                             |                         |                            |                                      | 48.0                      |
| 50.0                      | 30.0                    | 81.9                       | 177 000*                             | 40.1                    | 88.4                       | 177 800*                             | 48.3                    | 92.3                       | 170 800*                             | 55.3                    | 94.6                       | 163 900*                             |                         |                            |                                      | 50.0                      |
| 52.0                      | 24.7                    | 77.9                       | 166 700*                             | 36.2                    | 85.7                       | 169 800*                             | 45.0                    | 90.3                       | 163 200*                             | 52.3                    | 93.0                       | 156 700*                             |                         |                            |                                      | 52.0                      |
| 54.0                      | 17.9                    | 72.4                       | 158 500*                             | 31.9                    | 82.6                       | 162 500*                             | 41.4                    | 88.1                       | 156 200*                             | 49.2                    | 91.3                       | 149 900*                             |                         |                            |                                      | 54.0                      |
| 56.0                      |                         |                            |                                      | 26.9                    | 78.9                       | 155 600*                             | 37.7                    | 85.6                       | 149 700*                             | 46.0                    | 89.4                       | 143 600*                             | 53.0                    | 91.5                       | 137 700*                             | 56.0                      |
| 58.0                      |                         |                            |                                      | 20.8                    | 74.1                       | 149 000*                             | 33.5                    | 82.7                       | 143 500*                             | 42.5                    | 87.3                       | 137 700*                             | 49.9                    | 89.8                       | 132 000*                             | 58.0                      |
| 60.0                      |                         |                            |                                      |                         |                            |                                      | 28.8                    | 79.2                       | 137 700*                             | 38.8                    | 84.9                       | 132 200*                             | 46.7                    | 88.0                       | 126 700*                             | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      | 23.2                    | 74.9                       | 132 100*                             | 34.8                    | 82.1                       | 127 000*                             | 43.3                    | 85.9                       | 121 700*                             | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      | 15.7                    | 68.8                       | 126 800*                             | 30.3                    | 78.8                       | 122 100*                             | 39.7                    | 83.5                       | 117 000*                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 25.0                    | 74.8                       | 117 300*                             | 35.7                    | 80.8                       | 112 600*                             | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 18.3                    | 69.4                       | 112 800*                             | 31.3                    | 77.7                       | 108 400*                             | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 5.6                     | 58.9                       | 108 000*                             | 26.3                    | 73.8                       | 104 300*                             | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.0                    | 68.9                       | 100 400*                             | 72.0                      |

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

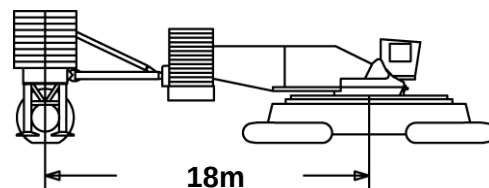
**Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).**

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms |                           |
| 22.9                      | 74.6                    | 111.0                      | 339 800* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.9                      |
| 24.0                      | 73.3                    | 110.7                      | 339 800* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.0                      |
| 26.0                      | 71.1                    | 110.0                      | 339 400* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.0                      |
| 28.0                      | 68.9                    | 109.2                      | 331 000* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.0                      |
| 30.0                      | 66.6                    | 108.3                      | 319 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                      |
| 32.0                      | 64.3                    | 107.4                      | 300 000*                             | 69.8                    | 108.8                      | 288 300* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 61.9                    | 106.3                      | 281 200*                             | 67.5                    | 108.0                      | 270 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 59.5                    | 105.2                      | 264 500*                             | 65.2                    | 107.1                      | 254 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 57.0                    | 103.9                      | 249 400*                             | 62.9                    | 106.1                      | 239 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 54.4                    | 102.4                      | 235 800*                             | 60.5                    | 104.9                      | 226 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 51.8                    | 100.9                      | 223 500*                             | 58.0                    | 103.7                      | 214 700*                             | 63.7                    | 105.3                      | 205 900*                             |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 49.0                    | 99.2                       | 212 200*                             | 55.5                    | 102.3                      | 203 800*                             | 61.3                    | 104.2                      | 195 500*                             |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 46.2                    | 97.3                       | 199 500*                             | 52.9                    | 100.8                      | 193 900*                             | 58.9                    | 103.0                      | 185 900*                             |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 43.1                    | 95.2                       | 187 000*                             | 50.1                    | 99.2                       | 184 800*                             | 56.4                    | 101.7                      | 177 200*                             |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 39.9                    | 92.8                       | 175 600*                             | 47.3                    | 97.4                       | 176 400*                             | 53.8                    | 100.3                      | 169 100*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 36.5                    | 90.2                       | 165 300*                             | 44.4                    | 95.3                       | 168 500*                             | 51.1                    | 98.7                       | 161 600*                             | 57.1                    | 100.6                      | 154 700*                             |                         |                            |                                      | 52.0                      |
| 54.0                      | 32.7                    | 87.2                       | 155 500*                             | 41.2                    | 93.1                       | 161 300*                             | 48.3                    | 96.9                       | 154 600*                             | 54.6                    | 99.2                       | 148 000*                             |                         |                            |                                      | 54.0                      |
| 56.0                      | 28.4                    | 83.6                       | 146 800*                             | 37.9                    | 90.6                       | 154 500*                             | 45.4                    | 95.0                       | 148 200*                             | 51.9                    | 97.6                       | 141 800*                             |                         |                            |                                      | 56.0                      |
| 58.0                      | 23.5                    | 79.3                       | 139 200*                             | 34.2                    | 87.7                       | 148 200*                             | 42.4                    | 92.8                       | 142 100*                             | 49.2                    | 95.9                       | 136 000*                             |                         |                            |                                      | 58.0                      |
| 60.0                      | 17.1                    | 73.6                       | 132 900*                             | 30.2                    | 84.4                       | 142 200*                             | 39.1                    | 90.4                       | 136 400*                             | 46.3                    | 94.1                       | 130 500*                             | 52.5                    | 96.1                       | 124 800*                             | 60.0                      |
| 62.0                      |                         |                            |                                      | 25.5                    | 80.4                       | 136 600*                             | 35.6                    | 87.7                       | 131 000*                             | 43.3                    | 92.0                       | 125 400*                             | 49.8                    | 94.4                       | 119 900*                             | 62.0                      |
| 64.0                      |                         |                            |                                      | 19.9                    | 75.4                       | 131 200*                             | 31.7                    | 84.5                       | 126 000*                             | 40.1                    | 89.6                       | 120 600*                             | 47.0                    | 92.6                       | 115 200*                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      | 27.3                    | 80.8                       | 121 200*                             | 36.6                    | 87.0                       | 116 000*                             | 44.0                    | 90.5                       | 110 900*                             | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      | 22.1                    | 76.3                       | 116 500*                             | 32.9                    | 84.0                       | 111 700*                             | 40.8                    | 88.3                       | 106 800*                             | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      | 15.1                    | 69.9                       | 112 100*                             | 28.7                    | 80.5                       | 107 600*                             | 37.4                    | 85.7                       | 102 800*                             | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 23.7                    | 76.2                       | 103 600*                             | 33.7                    | 82.8                       | 99 200*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 17.5                    | 70.6                       | 99 800*                              | 29.6                    | 79.4                       | 95 600*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 6.4                     | 60.2                       | 95 700*                              | 24.9                    | 75.4                       | 92 100*                              | 76.0                      |

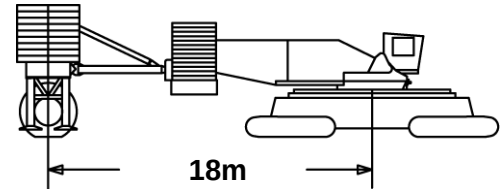
Capacities indicated by **(b)** require  
16 780 kg minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

**21000  
MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 42.7m Mast No. 81  
224 390 kg Crane Counterweight  
90 720 kg Carbody Counterweight  
350 170 kg Wheeled Counterweight  
at 18m Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



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

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 252 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 60.7                    | 111.1                      | 244 800*                             | 65.8                    | 112.9                      | 238 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 58.5                    | 109.8                      | 232 200*                             | 63.7                    | 111.9                      | 225 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 56.2                    | 108.5                      | 219 700*                             | 61.5                    | 110.8                      | 213 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 53.9                    | 107.1                      | 207 600*                             | 59.4                    | 109.6                      | 202 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 51.5                    | 105.5                      | 195 800*                             | 57.1                    | 108.4                      | 192 700*                             | 62.3                    | 110.1                      | 184 500*                             |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 49.0                    | 103.8                      | 184 700*                             | 54.8                    | 107.0                      | 183 600*                             | 60.1                    | 109.0                      | 175 800*                             |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 46.5                    | 101.9                      | 173 900*                             | 52.5                    | 105.4                      | 175 200*                             | 57.9                    | 107.7                      | 167 700*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 43.8                    | 99.8                       | 164 000*                             | 50.0                    | 103.8                      | 167 500*                             | 55.7                    | 106.4                      | 160 300*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 40.9                    | 97.6                       | 154 800*                             | 47.5                    | 102.0                      | 160 200*                             | 53.3                    | 104.9                      | 153 300*                             | 58.6                    | 106.6                      | 146 600*                             |                         |                            |                                      | 54.0                      |
| 56.0                      | 37.9                    | 95.0                       | 146 000*                             | 44.8                    | 100.0                      | 153 500*                             | 50.9                    | 103.3                      | 146 900*                             | 56.3                    | 105.3                      | 140 300*                             |                         |                            |                                      | 56.0                      |
| 58.0                      | 34.6                    | 92.2                       | 138 000*                             | 42.1                    | 97.8                       | 147 200*                             | 48.4                    | 101.5                      | 140 900*                             | 54.0                    | 103.8                      | 134 600*                             |                         |                            |                                      | 58.0                      |
| 60.0                      | 31.1                    | 89.0                       | 130 700*                             | 39.1                    | 95.4                       | 141 300*                             | 45.8                    | 99.6                       | 135 200*                             | 51.6                    | 102.3                      | 129 200*                             |                         |                            |                                      | 60.0                      |
| 62.0                      | 27.1                    | 85.3                       | 124 200*                             | 36.0                    | 92.7                       | 135 800*                             | 43.1                    | 97.5                       | 130 000*                             | 49.2                    | 100.5                      | 124 100*                             |                         |                            |                                      | 62.0                      |
| 64.0                      | 22.4                    | 80.7                       | 118 300*                             | 32.5                    | 89.6                       | 130 600*                             | 40.2                    | 95.2                       | 125 000*                             | 46.6                    | 98.7                       | 119 400*                             | 52.2                    | 100.7                      | 113 800*                             | 64.0                      |
| 66.0                      | 16.5                    | 74.8                       | 113 400*                             | 28.7                    | 86.1                       | 125 700*                             | 37.1                    | 92.6                       | 120 300*                             | 43.9                    | 96.6                       | 114 900*                             | 49.7                    | 99.0                       | 109 500*                             | 66.0                      |
| 68.0                      |                         |                            |                                      | 24.4                    | 82.0                       | 121 000*                             | 33.8                    | 89.7                       | 115 800*                             | 41.1                    | 94.4                       | 110 600*                             | 47.2                    | 97.2                       | 105 400*                             | 68.0                      |
| 70.0                      |                         |                            |                                      | 19.1                    | 76.7                       | 116 500*                             | 30.1                    | 86.3                       | 111 600*                             | 38.0                    | 91.9                       | 106 600*                             | 44.5                    | 95.2                       | 101 600*                             | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      | 26.0                    | 82.4                       | 107 500*                             | 34.8                    | 89.0                       | 102 700*                             | 41.7                    | 93.0                       | 97 900*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      | 21.1                    | 77.6                       | 103 600*                             | 31.3                    | 85.9                       | 99 100*                              | 38.7                    | 90.5                       | 94 400*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      | 14.7                    | 71.1                       | 99 800*                              | 27.3                    | 82.1                       | 95 600*                              | 35.6                    | 87.8                       | 91 100*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 16.9                    | 71.8                       | 88 900*                              | 28.2                    | 81.1                       | 84 900*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 18.3                    | 71.4                       | 79 100*                              | 84.0                      |

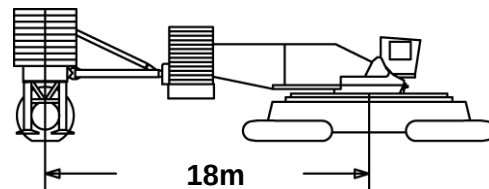
Capacities indicated by (b) require  
16 780 kg minimum weight suspended  
beneath luffing jib point.

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 236 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 61.7                    | 116.9                      | 220 100*                             | 66.2                    | 118.7                      | 223 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 59.7                    | 115.8                      | 209 900*                             | 64.4                    | 117.7                      | 211 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 57.7                    | 114.5                      | 199 900*                             | 62.4                    | 116.7                      | 200 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 55.6                    | 113.1                      | 189 900*                             | 60.5                    | 115.5                      | 190 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 53.5                    | 111.7                      | 180 200*                             | 58.5                    | 114.3                      | 181 900*                             | 63.1                    | 115.9                      | 173 800*                             |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 51.3                    | 110.1                      | 170 800*                             | 56.4                    | 113.0                      | 173 500*                             | 61.2                    | 114.9                      | 165 800*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 49.0                    | 108.4                      | 161 800*                             | 54.3                    | 111.6                      | 165 800*                             | 59.2                    | 113.7                      | 158 400*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 46.7                    | 106.5                      | 153 100*                             | 52.2                    | 110.0                      | 158 600*                             | 57.1                    | 112.4                      | 151 500*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 44.3                    | 104.5                      | 145 000*                             | 49.9                    | 108.4                      | 151 900*                             | 55.1                    | 111.0                      | 145 100*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 41.7                    | 102.3                      | 137 400*                             | 47.6                    | 106.6                      | 145 700*                             | 52.9                    | 109.5                      | 139 100*                             | 57.8                    | 111.3                      | 132 600*                             |                         |                            |                                      | 58.0                      |
| 60.0                      | 39.0                    | 99.8                       | 130 200*                             | 45.2                    | 104.6                      | 139 900*                             | 50.7                    | 107.9                      | 133 500*                             | 55.7                    | 109.9                      | 127 200*                             |                         |                            |                                      | 60.0                      |
| 62.0                      | 36.2                    | 97.2                       | 123 600*                             | 42.7                    | 102.5                      | 134 400*                             | 48.5                    | 106.1                      | 128 300*                             | 53.6                    | 108.4                      | 122 200*                             |                         |                            |                                      | 62.0                      |
| 64.0                      | 33.1                    | 94.2                       | 117 400*                             | 40.1                    | 100.1                      | 129 200*                             | 46.1                    | 104.2                      | 123 300*                             | 51.4                    | 106.9                      | 117 400*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 29.7                    | 90.8                       | 111 700*                             | 37.3                    | 97.6                       | 124 400*                             | 43.6                    | 102.1                      | 118 700*                             | 49.1                    | 105.1                      | 113 000*                             | 54.1                    | 106.9                      | 107 400*                             | 66.0                      |
| 68.0                      | 26.0                    | 86.9                       | 106 500*                             | 34.3                    | 94.7                       | 119 800*                             | 41.1                    | 99.9                       | 114 300*                             | 46.8                    | 103.3                      | 108 800*                             | 51.9                    | 105.3                      | 103 400*                             | 68.0                      |
| 70.0                      | 21.6                    | 82.1                       | 101 900*                             | 31.1                    | 91.5                       | 115 400*                             | 38.3                    | 97.4                       | 110 100*                             | 44.4                    | 101.3                      | 104 800*                             | 49.7                    | 103.6                      | 99 600*                              | 70.0                      |
| 72.0                      | 16.0                    | 75.9                       | 98 100*                              | 27.5                    | 87.8                       | 111 300*                             | 35.4                    | 94.6                       | 106 100*                             | 41.8                    | 99.1                       | 101 000*                             | 47.3                    | 101.8                      | 96 000*                              | 72.0                      |
| 74.0                      |                         |                            |                                      | 23.4                    | 83.4                       | 107 300*                             | 32.3                    | 91.6                       | 102 400*                             | 39.2                    | 96.6                       | 97 500*                              | 44.9                    | 99.8                       | 92 600*                              | 74.0                      |
| 76.0                      |                         |                            |                                      | 18.4                    | 77.9                       | 103 400*                             | 28.8                    | 88.1                       | 98 800*                              | 36.3                    | 94.0                       | 94 000*                              | 42.4                    | 97.7                       | 89 300*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      | 20.3                    | 79.0                       | 92 000*                              | 29.9                    | 87.6                       | 87 700*                              | 37.0                    | 92.7                       | 83 300*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.8                    | 79.1                       | 81 700*                              | 30.7                    | 86.5                       | 77 700*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 7.4                     | 62.7                       | 75 800*                              | 22.9                    | 78.3                       | 72 500*                              | 88.0                      |

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

# Liftcrane Luffing Jib Capacities

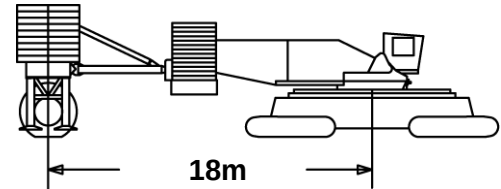
**21000**

**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  
350 170 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, 73.2m (240 Ft.) Luffing Jib**

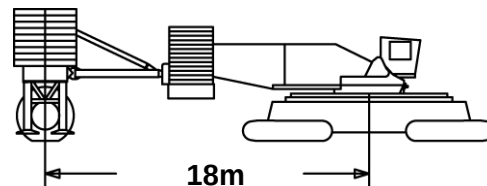
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 222 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 62.5                    | 122.8                      | 198 900*                             | 66.6                    | 124.5                      | 209 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 60.7                    | 121.7                      | 190 900*                             | 64.9                    | 123.5                      | 199 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 58.8                    | 120.5                      | 182 800*                             | 63.2                    | 122.5                      | 189 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 57.0                    | 119.2                      | 174 800*                             | 61.4                    | 121.4                      | 180 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 55.1                    | 117.8                      | 166 800*                             | 59.6                    | 120.3                      | 171 900*                             | 63.8                    | 121.8                      | 164 100*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 53.1                    | 116.3                      | 158 900*                             | 57.7                    | 119.0                      | 164 200*                             | 62.0                    | 120.7                      | 156 700*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 51.1                    | 114.7                      | 151 400*                             | 55.8                    | 117.7                      | 157 100*                             | 60.2                    | 119.6                      | 149 800*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 49.0                    | 113.0                      | 144 000*                             | 53.9                    | 116.2                      | 150 400*                             | 58.4                    | 118.4                      | 143 400*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 46.9                    | 111.1                      | 137 000*                             | 51.9                    | 114.6                      | 144 200*                             | 56.5                    | 117.0                      | 137 500*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 44.7                    | 109.1                      | 130 300*                             | 49.9                    | 113.0                      | 138 400*                             | 54.6                    | 115.6                      | 131 900*                             | 58.9                    | 117.2                      | 125 500*                             |                         |                            |                                      | 60.0                      |
| 62.0                      | 42.4                    | 106.9                      | 123 900*                             | 47.7                    | 111.2                      | 133 000*                             | 52.6                    | 114.1                      | 126 700*                             | 57.1                    | 115.9                      | 120 500*                             |                         |                            |                                      | 62.0                      |
| 64.0                      | 40.0                    | 104.6                      | 118 000*                             | 45.6                    | 109.2                      | 127 800*                             | 50.6                    | 112.5                      | 121 800*                             | 55.2                    | 114.5                      | 115 800*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 37.4                    | 102.0                      | 112 300*                             | 43.3                    | 107.1                      | 123 000*                             | 48.5                    | 110.7                      | 117 100*                             | 53.2                    | 113.1                      | 111 300*                             |                         |                            |                                      | 66.0                      |
| 68.0                      | 34.7                    | 99.2                       | 107 100*                             | 40.9                    | 104.9                      | 118 500*                             | 46.4                    | 108.8                      | 112 800*                             | 51.2                    | 111.5                      | 107 200*                             |                         |                            |                                      | 68.0                      |
| 70.0                      | 31.8                    | 96.0                       | 102 200*                             | 38.4                    | 102.4                      | 114 200*                             | 44.1                    | 106.8                      | 108 700*                             | 49.1                    | 109.7                      | 103 200*                             | 53.6                    | 111.5                      | 97 900*                              | 70.0                      |
| 72.0                      | 28.6                    | 92.5                       | 97 700*                              | 35.8                    | 99.7                       | 110 100*                             | 41.8                    | 104.6                      | 104 700*                             | 47.0                    | 107.9                      | 99 500*                              | 51.7                    | 109.9                      | 94 300*                              | 72.0                      |
| 74.0                      | 25.0                    | 88.4                       | 93 600*                              | 32.9                    | 96.6                       | 106 200*                             | 39.3                    | 102.2                      | 101 000*                             | 44.8                    | 105.9                      | 95 900*                              | 49.6                    | 108.2                      | 90 900*                              | 74.0                      |
| 76.0                      | 20.8                    | 83.5                       | 90 000*                              | 29.9                    | 93.3                       | 102 500*                             | 36.7                    | 99.5                       | 97 500*                              | 42.5                    | 103.7                      | 92 500*                              | 47.5                    | 106.4                      | 87 700*                              | 76.0                      |
| 80.0                      |                         |                            |                                      | 22.6                    | 84.8                       | 95 500*                              | 31.0                    | 93.4                       | 90 900*                              | 37.5                    | 98.8                       | 86 300*                              | 43.0                    | 102.3                      | 81 700*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      | 24.0                    | 85.5                       | 84 800*                              | 31.9                    | 92.9                       | 80 500*                              | 38.1                    | 97.5                       | 76 200*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      | 14.0                    | 73.3                       | 79 100*                              | 25.2                    | 85.3                       | 75 200*                              | 32.6                    | 91.7                       | 71 200*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 15.9                    | 74.1                       | 70 100*                              | 26.0                    | 84.4                       | 66 500*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 17.2                    | 73.8                       | 62 100*                              | 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 196 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 61.5                    | 127.5                      | 172 600*                             | 65.4                    | 129.3                      | 187 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 59.8                    | 126.4                      | 166 100*                             | 63.8                    | 128.3                      | 178 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 58.1                    | 125.1                      | 159 600*                             | 62.1                    | 127.3                      | 170 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 56.4                    | 123.8                      | 153 100*                             | 60.5                    | 126.2                      | 162 500*                             | 64.3                    | 127.6                      | 154 700*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 54.6                    | 122.4                      | 146 700*                             | 58.8                    | 125.0                      | 155 400*                             | 62.7                    | 126.6                      | 147 900*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 52.8                    | 120.9                      | 140 400*                             | 57.1                    | 123.7                      | 148 700*                             | 61.1                    | 125.5                      | 141 500*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 50.9                    | 119.3                      | 134 200*                             | 55.3                    | 122.3                      | 142 500*                             | 59.4                    | 124.3                      | 135 600*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 49.0                    | 117.6                      | 128 100*                             | 53.5                    | 120.8                      | 136 700*                             | 57.7                    | 123.0                      | 130 100*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 47.1                    | 115.7                      | 122 300*                             | 51.7                    | 119.2                      | 131 300*                             | 55.9                    | 121.7                      | 124 800*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 45.0                    | 113.7                      | 116 700*                             | 49.8                    | 117.6                      | 126 200*                             | 54.2                    | 120.2                      | 119 900*                             | 58.2                    | 121.9                      | 113 800*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 42.9                    | 111.6                      | 111 400*                             | 47.8                    | 115.8                      | 121 400*                             | 52.3                    | 118.7                      | 115 300*                             | 56.5                    | 120.6                      | 109 400*                             |                         |                            |                                      | 66.0                      |
| 68.0                      | 40.7                    | 109.3                      | 106 400*                             | 45.8                    | 113.8                      | 116 900*                             | 50.5                    | 117.1                      | 111 000*                             | 54.7                    | 119.2                      | 105 200*                             |                         |                            |                                      | 68.0                      |
| 70.0                      | 38.4                    | 106.8                      | 101 700*                             | 43.8                    | 111.8                      | 112 600*                             | 48.5                    | 115.3                      | 106 900*                             | 52.9                    | 117.7                      | 101 300*                             |                         |                            |                                      | 70.0                      |
| 72.0                      | 36.0                    | 104.1                      | 97 200*                              | 41.6                    | 109.6                      | 108 600*                             | 46.6                    | 113.4                      | 103 000*                             | 51.0                    | 116.1                      | 97 600*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 33.4                    | 101.2                      | 93 000*                              | 39.3                    | 107.2                      | 104 700*                             | 44.5                    | 111.4                      | 99 400*                              | 49.1                    | 114.3                      | 94 100*                              | 53.3                    | 116.1                      | 88 900*                              | 74.0                      |
| 76.0                      | 30.6                    | 97.9                       | 89 100*                              | 37.0                    | 104.5                      | 101 100*                             | 42.4                    | 109.3                      | 95 900*                              | 47.2                    | 112.5                      | 90 700*                              | 51.4                    | 114.5                      | 85 700*                              | 76.0                      |
| 80.0                      | 24.1                    | 89.9                       | 82 200*                              | 31.7                    | 98.5                       | 94 200*                              | 37.8                    | 104.4                      | 89 400*                              | 43.0                    | 108.4                      | 84 500*                              | 47.6                    | 111.0                      | 79 800*                              | 80.0                      |
| 84.0                      | 15.2                    | 78.2                       | 76 900*                              | 25.5                    | 91.0                       | 88 000*                              | 32.7                    | 98.6                       | 83 400*                              | 38.5                    | 103.6                      | 78 900*                              | 43.5                    | 107.0                      | 74 400*                              | 84.0                      |
| 88.0                      |                         |                            |                                      | 17.4                    | 80.4                       | 82 200*                              | 26.7                    | 91.4                       | 77 900*                              | 33.5                    | 98.0                       | 73 600*                              | 39.0                    | 102.3                      | 69 400*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      | 19.1                    | 81.5                       | 72 800*                              | 27.7                    | 91.0                       | 68 800*                              | 34.1                    | 96.8                       | 64 800*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      | 2.2                     | 58.6                       | 67 500*                              | 20.4                    | 81.8                       | 64 300*                              | 28.4                    | 90.0                       | 60 600*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 7.9                     | 65.0                       | 59 700*                              | 21.3                    | 81.1                       | 56 600*                              | 100.0                     |

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 42.7m Mast No. 81

224 390 kg Crane Counterweight

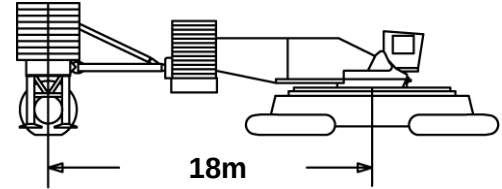
90 720 kg Carbody Counterweight

350 170 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**

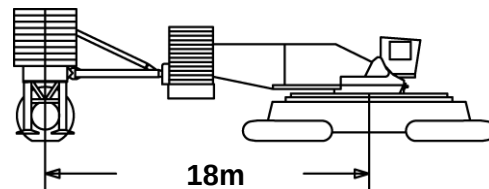
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 140 000*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 54.2                    | 127.0                      | 121 700*                             | 58.1                    | 129.6                      | 137 400*                             | 61.8                    | 131.3                      | 134 100*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 52.5                    | 125.5                      | 116 300*                             | 56.5                    | 128.3                      | 131 600*                             | 60.3                    | 130.2                      | 128 500*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 50.8                    | 123.9                      | 111 000*                             | 54.9                    | 126.9                      | 125 900*                             | 58.7                    | 129.0                      | 123 300*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 49.0                    | 122.2                      | 106 000*                             | 53.2                    | 125.4                      | 120 300*                             | 57.1                    | 127.7                      | 118 400*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 47.2                    | 120.3                      | 101 100*                             | 51.5                    | 123.9                      | 114 800*                             | 55.5                    | 126.3                      | 113 900*                             | 59.2                    | 127.8                      | 107 800*                             |                         |                            |                                      | 66.0                      |
| 68.0                      | 45.3                    | 118.4                      | 96 400*                              | 49.7                    | 122.2                      | 109 700*                             | 53.8                    | 124.9                      | 109 600*                             | 57.6                    | 126.6                      | 103 700*                             |                         |                            |                                      | 68.0                      |
| 70.0                      | 43.4                    | 116.3                      | 91 900*                              | 47.9                    | 120.4                      | 104 700*                             | 52.1                    | 123.3                      | 105 500*                             | 55.9                    | 125.2                      | 99 800*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 41.4                    | 114.0                      | 87 600*                              | 46.1                    | 118.5                      | 99 700*                              | 50.4                    | 121.7                      | 101 600*                             | 54.3                    | 123.8                      | 96 100*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 39.3                    | 111.6                      | 83 500*                              | 44.2                    | 116.4                      | 95 100*                              | 48.6                    | 119.9                      | 98 000*                              | 52.6                    | 122.3                      | 92 500*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 37.0                    | 109.0                      | 79 600*                              | 42.2                    | 114.2                      | 90 700*                              | 46.7                    | 118.1                      | 94 500*                              | 50.9                    | 120.7                      | 89 200*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 32.2                    | 103.1                      | 72 300*                              | 37.9                    | 109.4                      | 82 300*                              | 42.9                    | 113.9                      | 88 000*                              | 47.3                    | 117.1                      | 83 100*                              | 51.3                    | 119.1                      | 78 200*                              | 80.0                      |
| 84.0                      | 26.7                    | 95.8                       | 65 600*                              | 33.2                    | 103.6                      | 74 700*                              | 38.7                    | 109.2                      | 82 200*                              | 43.5                    | 113.1                      | 77 500*                              | 47.7                    | 115.6                      | 72 800*                              | 84.0                      |
| 88.0                      | 19.6                    | 86.1                       | 59 800*                              | 27.8                    | 96.7                       | 67 800*                              | 34.1                    | 103.6                      | 76 600*                              | 39.4                    | 108.4                      | 72 300*                              | 43.9                    | 111.6                      | 68 000*                              | 88.0                      |
| 92.0                      |                         |                            |                                      | 21.2                    | 87.6                       | 61 700*                              | 28.9                    | 96.9                       | 69 600*                              | 34.8                    | 103.0                      | 67 600*                              | 39.8                    | 107.1                      | 63 400*                              | 92.0                      |
| 96.0                      |                         |                            |                                      | 11.1                    | 73.2                       | 56 800*                              | 22.5                    | 88.3                       | 63 400*                              | 29.7                    | 96.5                       | 63 200*                              | 35.4                    | 101.7                      | 59 300*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      | 13.5                    | 75.5                       | 58 100*                              | 23.6                    | 88.3                       | 59 100*                              | 30.3                    | 95.4                       | 55 400*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 15.2                    | 76.5                       | 55 100*                              | 24.3                    | 87.4                       | 51 700*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 16.3                    | 76.2                       | 48 200*                              | 108.0                     |

# Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On  
Boom No. 80 With 42.7m Mast No. 81  
224 390 kg Crane Counterweight  
90 720 kg Carbody Counterweight  
350 170 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

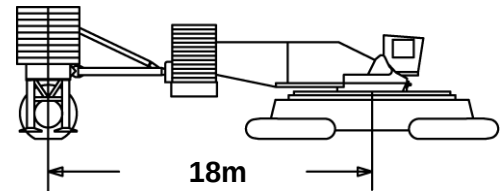
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 97 800*                              |                         |                            |                                      | 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                      | 94 100*                              |                         |                            |                                      | 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                      | 90 600*                              |                         |                            |                                      | 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                      | 87 300*                              |                         |                            |                                      | 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                      | 81 200*                              | 54.3                    | 126.8                      | 76 200*                              | 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                      | 75 500*                              | 51.1                    | 123.7                      | 70 800*                              | 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                      | 66 000*                              | 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                      | 61 500*                              | 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                      | 57 400*                              | 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                      | 53 600*                              | 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                       | 372 000*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.0                      |
| 28.0                      | 58.1                    | 95.0                       | 348 000*b                            |                         |                            | c                                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.0                      |
| 30.0                      | 54.2                    | 93.6                       | 323 300*b                            | 64.1                    | 96.2                       | 310 600*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                      |
| 32.0                      | 50.2                    | 91.9                       | 302 000*                             | 60.5                    | 95.1                       | 290 000*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 45.9                    | 90.0                       | 283 100*                             | 56.8                    | 93.8                       | 271 900*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 41.2                    | 87.8                       | 266 200*                             | 52.9                    | 92.3                       | 255 700*                             | 62.7                    | 94.5                       | 245 200*b                            |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 36.0                    | 85.1                       | 250 900*                             | 48.7                    | 90.5                       | 241 100*                             | 59.1                    | 93.4                       | 231 100*b                            |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 30.0                    | 81.9                       | 236 800*                             | 44.3                    | 88.5                       | 227 900*                             | 55.3                    | 92.0                       | 218 600*b                            |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 22.4                    | 77.5                       | 222 300*                             | 39.5                    | 86.2                       | 215 900*                             | 51.3                    | 90.4                       | 207 100*                             |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 10.0                    | 69.8                       | 194 500*                             | 34.0                    | 83.3                       | 205 000*                             | 47.1                    | 88.6                       | 196 600*                             | 57.4                    | 91.1                       | 188 200*b                            |                         |                            |                                      | 44.0                      |
| 46.0                      |                         |                            |                                      | 27.6                    | 79.8                       | 194 700*                             | 42.5                    | 86.5                       | 187 000*                             | 53.6                    | 89.6                       | 179 100*b                            |                         |                            |                                      | 46.0                      |
| 48.0                      |                         |                            |                                      | 19.2                    | 74.8                       | 185 200*                             | 37.5                    | 83.9                       | 178 100*                             | 49.5                    | 87.9                       | 170 600*                             |                         |                            |                                      | 48.0                      |
| 50.0                      |                         |                            |                                      |                         |                            |                                      | 31.7                    | 80.8                       | 169 900*                             | 45.1                    | 86.0                       | 162 800*                             |                         |                            |                                      | 50.0                      |
| 52.0                      |                         |                            |                                      |                         |                            |                                      | 24.7                    | 76.9                       | 162 100*                             | 40.3                    | 83.7                       | 155 500*                             | 51.4                    | 86.7                       | 148 700*                             | 52.0                      |
| 54.0                      |                         |                            |                                      |                         |                            |                                      | 14.6                    | 70.7                       | 154 500*                             | 35.0                    | 81.0                       | 148 700*                             | 47.2                    | 84.8                       | 142 300*                             | 54.0                      |
| 56.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.8                    | 77.5                       | 142 300*                             | 42.6                    | 82.7                       | 136 200*                             | 56.0                      |
| 58.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.8                    | 72.9                       | 136 100*                             | 37.6                    | 80.2                       | 130 600*                             | 58.0                      |
| 60.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 31.8                    | 77.1                       | 125 200*                             | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.9                    | 73.2                       | 120 000*                             | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 14.9                    | 67.1                       | 115 000*                             | 64.0                      |

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

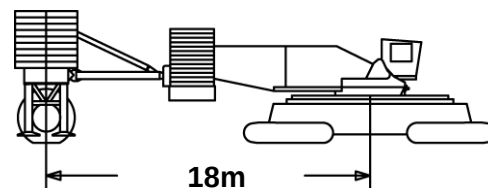
Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).

# Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On  
Boom No. 80 With 42.7m Mast No. 81  
224 390 kg Crane Counterweight  
90 720 kg Carbody Counterweight  
350 170 kg Wheeled Counterweight  
at 18m Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000  
MAX-ER**



## 61.0m (200 Ft.) Boom, 42.7m (140 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 342 000*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.0                      |
| 30.0                      | 60.0                    | 100.9                      | 323 000*b                            | 68.1                    | 102.9                      | 308 800*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                      |
| 32.0                      | 56.8                    | 99.6                       | 300 900*                             | 65.1                    | 102.0                      | 288 300*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 53.5                    | 98.2                       | 282 100*                             | 62.1                    | 100.9                      | 270 300*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 50.0                    | 96.5                       | 265 300*                             | 58.9                    | 99.7                       | 254 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 46.3                    | 94.6                       | 248 700*                             | 55.7                    | 98.4                       | 239 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 42.4                    | 92.5                       | 231 200*                             | 52.3                    | 96.9                       | 226 700*                             | 60.9                    | 99.3                       | 216 800*b                            |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 38.1                    | 90.0                       | 215 200*                             | 48.8                    | 95.1                       | 214 800*                             | 57.7                    | 98.0                       | 205 400*                             |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 33.4                    | 87.1                       | 200 800*                             | 45.0                    | 93.2                       | 204 000*                             | 54.4                    | 96.6                       | 195 100*                             |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 27.9                    | 83.5                       | 188 200*                             | 41.0                    | 90.9                       | 194 100*                             | 51.0                    | 95.0                       | 185 600*                             | 59.5                    | 97.1                       | 177 200*b                            |                         |                            |                                      | 46.0                      |
| 48.0                      | 21.0                    | 78.8                       | 177 700*                             | 36.6                    | 88.3                       | 184 800*                             | 47.4                    | 93.2                       | 176 800*                             | 56.3                    | 95.7                       | 168 800*                             |                         |                            |                                      | 48.0                      |
| 50.0                      | 10.0                    | 70.9                       | 169 900*                             | 31.6                    | 85.2                       | 176 300*                             | 43.5                    | 91.1                       | 168 800*                             | 52.9                    | 94.2                       | 161 100*                             |                         |                            |                                      | 50.0                      |
| 52.0                      |                         |                            |                                      | 25.7                    | 81.3                       | 168 300*                             | 39.3                    | 88.7                       | 161 300*                             | 49.4                    | 92.5                       | 153 900*                             |                         |                            |                                      | 52.0                      |
| 54.0                      |                         |                            |                                      | 18.1                    | 76.0                       | 160 700*                             | 34.7                    | 86.0                       | 154 200*                             | 45.7                    | 90.6                       | 147 300*                             |                         |                            |                                      | 54.0                      |
| 56.0                      |                         |                            |                                      |                         |                            |                                      | 29.5                    | 82.6                       | 147 600*                             | 41.7                    | 88.4                       | 141 100*                             | 51.1                    | 91.3                       | 134 500*                             | 56.0                      |
| 58.0                      |                         |                            |                                      |                         |                            |                                      | 23.1                    | 78.3                       | 141 400*                             | 37.3                    | 85.9                       | 135 200*                             | 47.4                    | 89.4                       | 128 900*                             | 58.0                      |
| 60.0                      |                         |                            |                                      |                         |                            |                                      | 14.0                    | 71.8                       | 135 200*                             | 32.5                    | 82.9                       | 129 700*                             | 43.6                    | 87.4                       | 123 700*                             | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.8                    | 79.1                       | 124 500*                             | 39.4                    | 85.0                       | 118 800*                             | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 19.6                    | 74.2                       | 119 400*                             | 34.8                    | 82.2                       | 114 200*                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 29.6                    | 78.9                       | 109 700*                             | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 23.2                    | 74.6                       | 105 500*                             | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 14.3                    | 68.2                       | 101 200*                             | 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

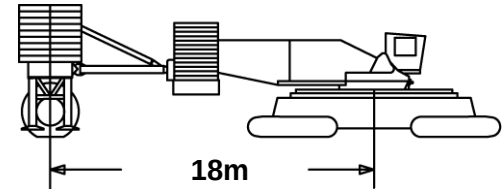
21000

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  
 350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 287 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 58.7                    | 105.6                      | 277 100*                             | 65.8                    | 107.8                      | 269 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 55.9                    | 104.3                      | 259 600*                             | 63.2                    | 106.8                      | 253 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 52.9                    | 102.8                      | 242 700*                             | 60.5                    | 105.7                      | 238 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 49.9                    | 101.1                      | 226 800*                             | 57.8                    | 104.4                      | 225 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 46.7                    | 99.3                       | 211 800*                             | 54.9                    | 103.0                      | 213 800*                             | 62.2                    | 105.1                      | 204 200*                             |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 43.3                    | 97.2                       | 197 900*                             | 51.9                    | 101.5                      | 203 100*                             | 59.5                    | 104.0                      | 193 800*                             |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 39.6                    | 94.8                       | 185 100*                             | 48.8                    | 99.7                       | 193 200*                             | 56.7                    | 102.7                      | 184 400*                             |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 35.7                    | 92.1                       | 173 400*                             | 45.5                    | 97.8                       | 184 100*                             | 53.8                    | 101.2                      | 175 700*                             |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 31.3                    | 88.9                       | 162 900*                             | 42.1                    | 95.6                       | 175 800*                             | 50.7                    | 99.6                       | 167 700*                             | 58.2                    | 101.7                      | 159 700*                             |                         |                            |                                      | 50.0                      |
| 52.0                      | 26.2                    | 85.1                       | 153 600*                             | 38.3                    | 93.2                       | 167 900*                             | 47.6                    | 97.8                       | 160 300*                             | 55.4                    | 100.4                      | 152 600*                             |                         |                            |                                      | 52.0                      |
| 54.0                      | 19.9                    | 80.1                       | 145 800*                             | 34.3                    | 90.3                       | 160 700*                             | 44.2                    | 95.8                       | 153 400*                             | 52.4                    | 98.8                       | 146 100*                             |                         |                            |                                      | 54.0                      |
| 56.0                      | 10.0                    | 72.0                       | 140 800*                             | 29.7                    | 87.0                       | 153 900*                             | 40.7                    | 93.5                       | 146 900*                             | 49.3                    | 97.1                       | 139 900*                             |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      | 24.3                    | 82.8                       | 147 500*                             | 36.8                    | 90.9                       | 140 900*                             | 46.1                    | 95.2                       | 134 200*                             | 53.8                    | 97.5                       | 127 500*                             | 58.0                      |
| 60.0                      |                         |                            |                                      | 17.2                    | 77.2                       | 141 300*                             | 32.6                    | 87.9                       | 135 200*                             | 42.7                    | 93.1                       | 128 800*                             | 50.8                    | 95.9                       | 122 500*                             | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      | 27.7                    | 84.3                       | 129 900*                             | 39.0                    | 90.7                       | 123 800*                             | 47.6                    | 94.1                       | 117 600*                             | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      | 21.8                    | 79.7                       | 124 700*                             | 35.0                    | 87.9                       | 119 000*                             | 44.3                    | 92.0                       | 113 100*                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      | 13.5                    | 72.9                       | 119 600*                             | 30.5                    | 84.7                       | 114 400*                             | 40.8                    | 89.8                       | 108 800*                             | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 25.2                    | 80.7                       | 110 100*                             | 36.9                    | 87.2                       | 104 700*                             | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 18.6                    | 75.4                       | 105 900*                             | 32.7                    | 84.2                       | 100 900*                             | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 27.8                    | 80.6                       | 97 200*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.0                    | 76.0                       | 93 500*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 13.8                    | 69.3                       | 90 000*                              | 76.0                      |

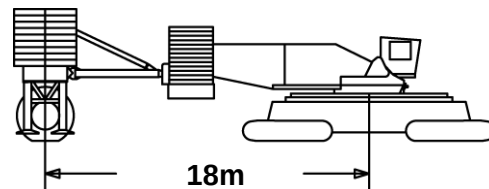
Capacities indicated by (b) require  
 16 780 kg minimum weight suspended  
 beneath luffing jib point.

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms |                           |
| 24.4                      | 73.5                    | 116.8                      | 310 700* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.4                      |
| 26.0                      | 71.7                    | 116.2                      | 310 500* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.0                      |
| 28.0                      | 69.5                    | 115.5                      | 304 400* <b>b</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                      | 267 200* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 60.1                    | 111.5                      | 248 500*                             | 66.4                    | 113.6                      | 251 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 57.7                    | 110.3                      | 234 300*                             | 64.1                    | 112.6                      | 236 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 55.1                    | 108.9                      | 220 400*                             | 61.7                    | 111.5                      | 223 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 52.5                    | 107.4                      | 207 000*                             | 59.3                    | 110.4                      | 212 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 49.8                    | 105.7                      | 194 400*                             | 56.8                    | 109.1                      | 201 400*                             | 63.2                    | 111.0                      | 191 800*                             |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 46.9                    | 103.9                      | 182 400*                             | 54.2                    | 107.6                      | 191 600*                             | 60.8                    | 109.9                      | 182 400*                             |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 44.0                    | 101.8                      | 171 300*                             | 51.6                    | 106.1                      | 182 600*                             | 58.4                    | 108.7                      | 173 800*                             |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 40.8                    | 99.5                       | 161 000*                             | 48.8                    | 104.3                      | 174 300*                             | 55.8                    | 107.3                      | 165 900*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 37.4                    | 97.0                       | 151 400*                             | 45.9                    | 102.4                      | 166 500*                             | 53.2                    | 105.8                      | 158 600*                             | 59.7                    | 107.7                      | 150 600*                             |                         |                            |                                      | 52.0                      |
| 54.0                      | 33.7                    | 94.1                       | 142 700*                             | 42.9                    | 100.3                      | 159 400*                             | 50.5                    | 104.2                      | 151 700*                             | 57.2                    | 106.4                      | 144 000*                             |                         |                            |                                      | 54.0                      |
| 56.0                      | 29.6                    | 90.7                       | 134 900*                             | 39.7                    | 97.9                       | 152 700*                             | 47.7                    | 102.4                      | 145 300*                             | 54.7                    | 105.0                      | 138 000*                             |                         |                            |                                      | 56.0                      |
| 58.0                      | 24.9                    | 86.6                       | 127 900*                             | 36.2                    | 95.3                       | 146 400*                             | 44.8                    | 100.4                      | 139 400*                             | 52.0                    | 103.4                      | 132 300*                             |                         |                            |                                      | 58.0                      |
| 60.0                      | 19.0                    | 81.4                       | 122 100*                             | 32.4                    | 92.2                       | 140 500*                             | 41.7                    | 98.2                       | 133 800*                             | 49.3                    | 101.7                      | 127 000*                             |                         |                            |                                      | 60.0                      |
| 62.0                      | 10.1                    | 73.1                       | 118 200*                             | 28.1                    | 88.6                       | 135 000*                             | 38.4                    | 95.7                       | 128 500*                             | 46.4                    | 99.9                       | 122 000*                             | 53.3                    | 102.1                      | 115 600*                             | 62.0                      |
| 64.0                      |                         |                            |                                      | 23.1                    | 84.3                       | 129 700*                             | 34.8                    | 92.9                       | 123 600*                             | 43.4                    | 97.8                       | 117 300*                             | 50.6                    | 100.5                      | 111 100*                             | 64.0                      |
| 66.0                      |                         |                            |                                      | 16.5                    | 78.4                       | 124 600*                             | 30.8                    | 89.7                       | 118 900*                             | 40.2                    | 95.5                       | 112 900*                             | 47.8                    | 98.7                       | 106 900*                             | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      | 26.3                    | 85.9                       | 114 400*                             | 36.8                    | 92.9                       | 108 700*                             | 44.9                    | 96.7                       | 102 900*                             | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      | 20.8                    | 81.0                       | 110 100*                             | 33.0                    | 89.9                       | 104 700*                             | 41.8                    | 94.5                       | 99 200*                              | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      | 13.2                    | 74.0                       | 105 900*                             | 28.8                    | 86.4                       | 100 900*                             | 38.4                    | 92.0                       | 95 600*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.0                    | 82.2                       | 97 200*                              | 34.8                    | 89.2                       | 92 100*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 17.8                    | 76.6                       | 93 600*                              | 30.9                    | 86.0                       | 88 900*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.9                    | 77.3                       | 82 600*                              | 80.0                      |

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

# Liftcrane Luffing Jib Capacities

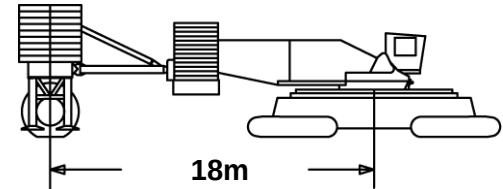
21000

MAX-ER

Luffing Jib No. 81 On  
 Boom No. 80 With 42.7m Mast No. 81  
 224 390 kg Crane Counterweight  
 90 720 kg Carbody Counterweight  
 350 170 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, 61.0m (200 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 249 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 61.3                    | 117.4                      | 223 700*                             | 66.9                    | 119.4                      | 235 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 59.1                    | 116.2                      | 212 100*                             | 64.8                    | 118.4                      | 222 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 56.8                    | 114.9                      | 200 700*                             | 62.7                    | 117.4                      | 210 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 54.5                    | 113.5                      | 189 600*                             | 60.5                    | 116.3                      | 200 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 52.2                    | 112.0                      | 178 900*                             | 58.3                    | 115.1                      | 190 300*                             | 64.0                    | 116.8                      | 181 000*                             |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 49.7                    | 110.3                      | 168 800*                             | 56.1                    | 113.7                      | 181 300*                             | 61.9                    | 115.8                      | 172 300*                             |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 47.2                    | 108.5                      | 159 100*                             | 53.7                    | 112.3                      | 173 100*                             | 59.7                    | 114.6                      | 164 400*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 44.5                    | 106.5                      | 150 100*                             | 51.3                    | 110.7                      | 165 400*                             | 57.5                    | 113.3                      | 157 200*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 41.7                    | 104.3                      | 141 600*                             | 48.8                    | 108.9                      | 158 300*                             | 55.2                    | 111.9                      | 150 300*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 38.7                    | 101.8                      | 133 800*                             | 46.3                    | 107.1                      | 151 600*                             | 52.8                    | 110.4                      | 144 000*                             | 58.7                    | 112.4                      | 136 500*                             |                         |                            |                                      | 56.0                      |
| 58.0                      | 35.5                    | 99.1                       | 126 500*                             | 43.6                    | 105.0                      | 145 400*                             | 50.4                    | 108.8                      | 138 100*                             | 56.4                    | 111.0                      | 130 800*                             |                         |                            |                                      | 58.0                      |
| 60.0                      | 32.1                    | 96.0                       | 119 900*                             | 40.7                    | 102.7                      | 139 600*                             | 47.9                    | 107.0                      | 132 600*                             | 54.1                    | 109.6                      | 125 500*                             |                         |                            |                                      | 60.0                      |
| 62.0                      | 28.2                    | 92.4                       | 113 800*                             | 37.7                    | 100.1                      | 134 200*                             | 45.2                    | 105.1                      | 127 400*                             | 51.7                    | 108.0                      | 120 600*                             |                         |                            |                                      | 62.0                      |
| 64.0                      | 23.8                    | 88.1                       | 108 400*                             | 34.4                    | 97.3                       | 129 000*                             | 42.5                    | 102.9                      | 122 500*                             | 49.3                    | 106.3                      | 116 000*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 18.3                    | 82.6                       | 103 900*                             | 30.8                    | 94.1                       | 124 200*                             | 39.6                    | 100.5                      | 117 900*                             | 46.7                    | 104.5                      | 111 600*                             | 52.9                    | 106.7                      | 105 400*                             | 66.0                      |
| 68.0                      | 10.1                    | 74.1                       | 101 000*                             | 26.8                    | 90.3                       | 119 500*                             | 36.4                    | 97.9                       | 113 500*                             | 44.0                    | 102.4                      | 107 500*                             | 50.4                    | 105.1                      | 101 500*                             | 68.0                      |
| 70.0                      |                         |                            |                                      | 22.1                    | 85.7                       | 115 100*                             | 33.1                    | 94.9                       | 109 300*                             | 41.2                    | 100.2                      | 103 500*                             | 47.9                    | 103.3                      | 97 800*                              | 70.0                      |
| 72.0                      |                         |                            |                                      | 16.0                    | 79.5                       | 110 800*                             | 29.3                    | 91.4                       | 105 400*                             | 38.2                    | 97.7                       | 99 800*                              | 45.3                    | 101.3                      | 94 200*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      | 25.1                    | 87.4                       | 101 600*                             | 35.0                    | 94.9                       | 96 300*                              | 42.5                    | 99.2                       | 90 900*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      | 19.9                    | 82.3                       | 98 000*                              | 31.4                    | 91.7                       | 92 900*                              | 39.6                    | 96.8                       | 87 700*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.9                    | 83.6                       | 86 500*                              | 33.1                    | 91.2                       | 81 700*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 25.2                    | 83.7                       | 76 100*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 13.1                    | 71.5                       | 70 800*                              | 88.0                      |

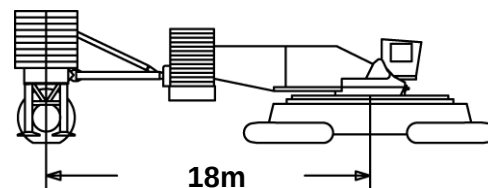
Capacities indicated by (b) require  
 16 780 kg minimum weight suspended  
 beneath luffing jib point.

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 220 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 60.2                    | 122.2                      | 192 200*                             | 65.4                    | 124.2                      | 208 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 58.2                    | 120.9                      | 183 000*                             | 63.5                    | 123.2                      | 198 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 56.1                    | 119.6                      | 173 800*                             | 61.5                    | 122.2                      | 188 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 54.0                    | 118.2                      | 164 800*                             | 59.5                    | 121.0                      | 179 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 51.9                    | 116.6                      | 156 200*                             | 57.5                    | 119.7                      | 171 300*                             | 62.7                    | 121.6                      | 162 500*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 49.6                    | 114.9                      | 147 900*                             | 55.4                    | 118.4                      | 163 700*                             | 60.8                    | 120.5                      | 155 200*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 47.3                    | 113.1                      | 140 100*                             | 53.3                    | 116.9                      | 156 600*                             | 58.8                    | 119.3                      | 148 400*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 44.9                    | 111.1                      | 132 700*                             | 51.1                    | 115.3                      | 150 000*                             | 56.7                    | 118.0                      | 142 100*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 42.4                    | 108.9                      | 125 700*                             | 48.9                    | 113.5                      | 143 800*                             | 54.6                    | 116.6                      | 136 200*                             | 59.9                    | 118.3                      | 128 800*                             |                         |                            |                                      | 58.0                      |
| 60.0                      | 39.8                    | 106.6                      | 119 200*                             | 46.5                    | 111.7                      | 138 100*                             | 52.5                    | 115.0                      | 130 700*                             | 57.8                    | 117.0                      | 123 500*                             |                         |                            |                                      | 60.0                      |
| 62.0                      | 37.0                    | 104.0                      | 113 100*                             | 44.1                    | 109.6                      | 132 700*                             | 50.3                    | 113.4                      | 125 600*                             | 55.8                    | 115.7                      | 118 600*                             |                         |                            |                                      | 62.0                      |
| 64.0                      | 33.9                    | 101.1                      | 107 400*                             | 41.5                    | 107.4                      | 127 600*                             | 48.0                    | 111.6                      | 120 800*                             | 53.7                    | 114.2                      | 114 000*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 30.7                    | 97.8                       | 102 200*                             | 38.8                    | 105.0                      | 122 800*                             | 45.6                    | 109.7                      | 116 200*                             | 51.5                    | 112.7                      | 109 700*                             |                         |                            |                                      | 66.0                      |
| 68.0                      | 27.0                    | 94.0                       | 97 500*                              | 35.9                    | 102.3                      | 118 200*                             | 43.1                    | 107.6                      | 111 900*                             | 49.2                    | 110.9                      | 105 500*                             |                         |                            |                                      | 68.0                      |
| 70.0                      | 22.8                    | 89.6                       | 93 300*                              | 32.9                    | 99.2                       | 113 900*                             | 40.5                    | 105.3                      | 107 800*                             | 46.9                    | 109.1                      | 101 700*                             | 52.5                    | 111.3                      | 95 700*                              | 70.0                      |
| 72.0                      | 17.7                    | 83.9                       | 89 900*                              | 29.5                    | 95.8                       | 109 800*                             | 37.7                    | 102.7                      | 103 900*                             | 44.5                    | 107.1                      | 98 000*                              | 50.3                    | 109.6                      | 92 200*                              | 72.0                      |
| 74.0                      | 10.1                    | 75.2                       | 87 500*                              | 25.7                    | 91.8                       | 105 900*                             | 34.8                    | 99.9                       | 100 200*                             | 42.0                    | 104.9                      | 94 500*                              | 48.0                    | 107.9                      | 88 900*                              | 74.0                      |
| 76.0                      |                         |                            |                                      | 21.2                    | 87.0                       | 102 100*                             | 31.6                    | 96.7                       | 96 700*                              | 39.3                    | 102.5                      | 91 200*                              | 45.6                    | 105.9                      | 85 800*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      | 24.0                    | 88.9                       | 90 100*                              | 33.4                    | 96.9                       | 85 000*                              | 40.6                    | 101.5                      | 79 900*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      | 12.7                    | 76.2                       | 83 800*                              | 26.3                    | 89.7                       | 79 300*                              | 34.9                    | 96.2                       | 74 500*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 16.6                    | 79.0                       | 73 900*                              | 28.1                    | 89.4                       | 69 600*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 19.3                    | 80.0                       | 64 800*                              | 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

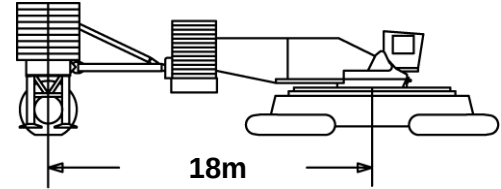
90 720 kg Carbody Counterweight

350 170 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

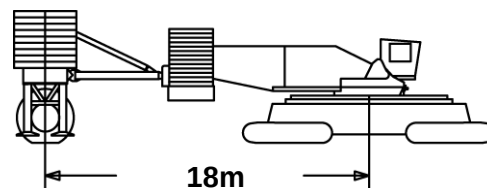
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 207 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 61.1                    | 128.0                      | 175 000*                             | 65.8                    | 130.0                      | 196 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 59.3                    | 126.9                      | 167 500*                             | 64.1                    | 129.1                      | 186 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 57.5                    | 125.6                      | 159 900*                             | 62.3                    | 128.0                      | 178 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 55.6                    | 124.2                      | 152 500*                             | 60.5                    | 126.9                      | 169 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 53.6                    | 122.8                      | 145 300*                             | 58.7                    | 125.7                      | 162 100*                             | 63.4                    | 127.4                      | 153 400*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 51.6                    | 121.2                      | 138 300*                             | 56.8                    | 124.4                      | 155 000*                             | 61.6                    | 126.4                      | 146 700*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 49.6                    | 119.5                      | 131 500*                             | 54.9                    | 123.0                      | 148 500*                             | 59.8                    | 125.2                      | 140 400*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 47.5                    | 117.7                      | 125 000*                             | 53.0                    | 121.5                      | 142 300*                             | 58.0                    | 124.0                      | 134 600*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 45.3                    | 115.7                      | 118 900*                             | 50.9                    | 119.9                      | 136 600*                             | 56.1                    | 122.6                      | 129 100*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 43.0                    | 113.6                      | 113 100*                             | 48.9                    | 118.1                      | 131 200*                             | 54.2                    | 121.2                      | 124 000*                             | 59.0                    | 123.0                      | 116 900*                             |                         |                            |                                      | 62.0                      |
| 64.0                      | 40.6                    | 111.3                      | 107 700*                             | 46.7                    | 116.3                      | 126 100*                             | 52.2                    | 119.7                      | 119 200*                             | 57.1                    | 121.7                      | 112 300*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 38.1                    | 108.8                      | 102 500*                             | 44.5                    | 114.3                      | 121 400*                             | 50.2                    | 118.0                      | 114 600*                             | 55.2                    | 120.3                      | 108 000*                             |                         |                            |                                      | 66.0                      |
| 68.0                      | 35.4                    | 106.0                      | 97 800*                              | 42.2                    | 112.1                      | 116 900*                             | 48.1                    | 116.2                      | 110 300*                             | 53.3                    | 118.8                      | 103 900*                             |                         |                            |                                      | 68.0                      |
| 70.0                      | 32.6                    | 103.0                      | 93 300*                              | 39.8                    | 109.7                      | 112 600*                             | 45.9                    | 114.3                      | 106 300*                             | 51.3                    | 117.3                      | 100 000*                             |                         |                            |                                      | 70.0                      |
| 72.0                      | 29.5                    | 99.6                       | 89 200*                              | 37.2                    | 107.1                      | 108 600*                             | 43.6                    | 112.2                      | 102 400*                             | 49.2                    | 115.5                      | 96 400*                              | 54.2                    | 117.4                      | 90 500*                              | 72.0                      |
| 74.0                      | 26.0                    | 95.6                       | 85 500*                              | 34.5                    | 104.3                      | 104 700*                             | 41.3                    | 110.0                      | 98 800*                              | 47.1                    | 113.7                      | 92 900*                              | 52.2                    | 115.9                      | 87 200*                              | 74.0                      |
| 76.0                      | 22.0                    | 91.0                       | 82 200*                              | 31.5                    | 101.1                      | 101 100*                             | 38.8                    | 107.5                      | 95 300*                              | 44.9                    | 111.7                      | 89 600*                              | 50.2                    | 114.2                      | 84 000*                              | 76.0                      |
| 80.0                      | 10.1                    | 76.3                       | 77 700*                              | 24.7                    | 93.4                       | 94 200*                              | 33.4                    | 101.9                      | 88 900*                              | 40.2                    | 107.2                      | 83 500*                              | 45.9                    | 110.6                      | 78 200*                              | 80.0                      |
| 84.0                      |                         |                            |                                      | 15.1                    | 81.8                       | 87 800*                              | 27.0                    | 94.8                       | 82 900*                              | 34.9                    | 101.9                      | 77 900*                              | 41.3                    | 106.2                      | 72 900*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      | 18.6                    | 84.9                       | 77 400*                              | 28.9                    | 95.3                       | 72 800*                              | 36.2                    | 101.1                      | 68 100*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.3                    | 86.4                       | 68 000*                              | 30.4                    | 94.8                       | 63 600*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 8.2                     | 70.3                       | 63 200*                              | 23.3                    | 86.7                       | 59 400*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 12.6                    | 73.7                       | 55 200*                              | 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 182 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 60.3                    | 132.8                      | 152 500*                             | 64.6                    | 134.9                      | 176 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 58.6                    | 131.6                      | 146 300*                             | 63.0                    | 133.9                      | 167 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 56.8                    | 130.3                      | 140 200*                             | 61.4                    | 132.8                      | 160 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 55.1                    | 128.9                      | 134 200*                             | 59.7                    | 131.6                      | 153 300*                             | 64.0                    | 133.3                      | 144 700*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 53.3                    | 127.4                      | 128 300*                             | 58.0                    | 130.4                      | 146 700*                             | 62.4                    | 132.2                      | 138 400*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 51.4                    | 125.8                      | 122 500*                             | 56.2                    | 129.0                      | 140 600*                             | 60.7                    | 131.1                      | 132 600*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 49.5                    | 124.1                      | 116 900*                             | 54.5                    | 127.6                      | 134 900*                             | 59.0                    | 129.9                      | 127 200*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 47.6                    | 122.3                      | 111 600*                             | 52.7                    | 126.1                      | 129 500*                             | 57.3                    | 128.6                      | 122 100*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 45.6                    | 120.4                      | 106 400*                             | 50.8                    | 124.5                      | 124 500*                             | 55.6                    | 127.3                      | 117 300*                             | 60.0                    | 128.9                      | 110 200*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 43.5                    | 118.3                      | 101 600*                             | 48.9                    | 122.7                      | 119 700*                             | 53.8                    | 125.8                      | 112 800*                             | 58.3                    | 127.7                      | 105 900*                             |                         |                            |                                      | 66.0                      |
| 68.0                      | 41.3                    | 116.0                      | 97 000*                              | 46.9                    | 120.9                      | 115 200*                             | 51.9                    | 124.3                      | 108 500*                             | 56.5                    | 126.4                      | 101 900*                             |                         |                            |                                      | 68.0                      |
| 70.0                      | 39.0                    | 113.6                      | 92 600*                              | 44.9                    | 118.9                      | 111 000*                             | 50.1                    | 122.6                      | 104 500*                             | 54.8                    | 125.0                      | 98 000*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 36.6                    | 110.9                      | 88 500*                              | 42.8                    | 116.8                      | 107 000*                             | 48.1                    | 120.8                      | 100 700*                             | 53.0                    | 123.5                      | 94 400*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 34.1                    | 108.1                      | 84 700*                              | 40.5                    | 114.5                      | 103 200*                             | 46.1                    | 118.9                      | 97 100*                              | 51.1                    | 121.9                      | 91 000*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 31.4                    | 104.8                      | 81 200*                              | 38.2                    | 112.0                      | 99 600*                              | 44.1                    | 116.9                      | 93 600*                              | 49.2                    | 120.1                      | 87 700*                              | 53.8                    | 122.1                      | 82 000*                              | 76.0                      |
| 80.0                      | 25.1                    | 97.2                       | 74 900*                              | 33.2                    | 106.2                      | 92 900*                              | 39.7                    | 112.3                      | 87 200*                              | 45.2                    | 116.3                      | 81 700*                              | 50.1                    | 118.8                      | 76 200*                              | 80.0                      |
| 84.0                      | 16.7                    | 86.3                       | 70 000*                              | 27.3                    | 99.2                       | 86 700*                              | 34.8                    | 106.9                      | 81 400*                              | 40.9                    | 112.0                      | 76 100*                              | 46.2                    | 115.2                      | 71 000*                              | 84.0                      |
| 88.0                      |                         |                            |                                      | 19.9                    | 89.7                       | 81 000*                              | 29.2                    | 100.3                      | 76 100*                              | 36.2                    | 106.8                      | 71 100*                              | 42.0                    | 110.9                      | 66 200*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      | 22.4                    | 91.8                       | 71 100*                              | 30.9                    | 100.6                      | 66 400*                              | 37.4                    | 106.0                      | 61 800*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      | 12.3                    | 78.4                       | 66 300*                              | 24.5                    | 92.7                       | 62 100*                              | 32.2                    | 100.1                      | 57 700*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 15.8                    | 81.4                       | 57 900*                              | 26.1                    | 92.7                       | 53 900*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 18.2                    | 82.5                       | 50 200*                              | 104.0                     |

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 42.7m Mast No. 81

224 390 kg Crane Counterweight

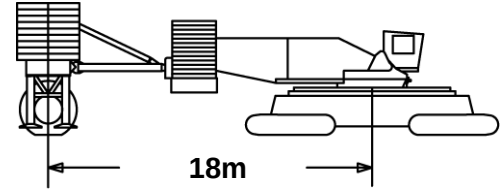
90 720 kg Carbody Counterweight

350 170 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

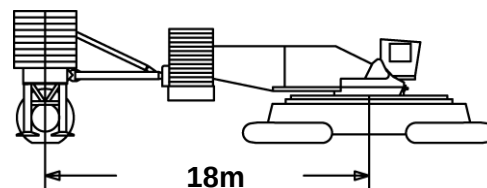
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 131 000*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 53.0                    | 132.0                      | 114 100*                             | 57.4                    | 135.0                      | 130 300*                             | 61.5                    | 137.0                      | 125 600*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 51.3                    | 130.4                      | 109 000*                             | 55.7                    | 133.7                      | 124 900*                             | 59.9                    | 135.8                      | 120 500*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 49.5                    | 128.7                      | 104 200*                             | 54.1                    | 132.2                      | 119 500*                             | 58.3                    | 134.6                      | 115 700*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 47.7                    | 126.9                      | 99 500*                              | 52.4                    | 130.7                      | 114 300*                             | 56.7                    | 133.3                      | 111 200*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 45.8                    | 125.0                      | 95 000*                              | 50.7                    | 129.1                      | 109 200*                             | 55.1                    | 131.9                      | 107 000*                             | 59.2                    | 133.6                      | 100 200*                             |                         |                            |                                      | 68.0                      |
| 70.0                      | 43.9                    | 122.9                      | 90 700*                              | 48.9                    | 127.3                      | 104 400*                             | 53.4                    | 130.4                      | 103 000*                             | 57.6                    | 132.4                      | 96 400*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 41.9                    | 120.7                      | 86 500*                              | 47.1                    | 125.5                      | 99 600*                              | 51.7                    | 128.9                      | 99 200*                              | 56.0                    | 131.0                      | 92 800*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 39.8                    | 118.3                      | 82 500*                              | 45.2                    | 123.5                      | 95 100*                              | 50.0                    | 127.2                      | 95 600*                              | 54.4                    | 129.6                      | 89 400*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 37.6                    | 115.8                      | 78 700*                              | 43.2                    | 121.4                      | 90 700*                              | 48.2                    | 125.4                      | 92 200*                              | 52.7                    | 128.1                      | 86 200*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 32.9                    | 110.0                      | 71 500*                              | 39.1                    | 116.7                      | 82 500*                              | 44.4                    | 121.5                      | 85 900*                              | 49.2                    | 124.7                      | 80 200*                              | 53.5                    | 126.7                      | 74 600*                              | 80.0                      |
| 84.0                      | 27.5                    | 102.9                      | 65 000*                              | 34.5                    | 111.3                      | 75 000*                              | 40.4                    | 117.0                      | 80 100*                              | 45.5                    | 121.0                      | 74 700*                              | 50.0                    | 123.4                      | 69 400*                              | 84.0                      |
| 88.0                      | 20.7                    | 93.7                       | 59 300*                              | 29.4                    | 104.7                      | 68 100*                              | 36.0                    | 111.8                      | 74 800*                              | 41.5                    | 116.7                      | 69 700*                              | 46.4                    | 119.8                      | 64 700*                              | 88.0                      |
| 92.0                      | 10.1                    | 78.4                       | 54 600*                              | 23.1                    | 96.3                       | 62 000*                              | 31.0                    | 105.6                      | 70 000*                              | 37.3                    | 111.7                      | 65 100*                              | 42.5                    | 115.6                      | 60 300*                              | 92.0                      |
| 96.0                      |                         |                            |                                      | 14.5                    | 84.1                       | 56 800*                              | 25.2                    | 97.9                       | 64 400*                              | 32.5                    | 105.8                      | 60 800*                              | 38.3                    | 110.8                      | 56 300*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      | 17.6                    | 87.3                       | 58 900*                              | 26.9                    | 98.6                       | 56 900*                              | 33.6                    | 105.1                      | 52 600*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.0                    | 89.0                       | 53 100*                              | 28.3                    | 98.3                       | 49 100*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 8.6                     | 72.5                       | 49 300*                              | 21.8                    | 89.5                       | 45 800*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 12.3                    | 75.9                       | 42 500*                              | 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  
350 170 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

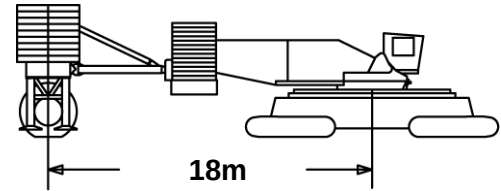
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 123 500*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 54.3                    | 138.1                      | 92 600*                              | 58.3                    | 141.0                      | 107 100*                             | 62.1                    | 142.8                      | 118 600*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 52.7                    | 136.6                      | 88 000*                              | 56.8                    | 139.7                      | 102 000*                             | 60.7                    | 141.7                      | 113 800*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 51.1                    | 135.0                      | 83 600*                              | 55.3                    | 138.3                      | 97 100*                              | 59.2                    | 140.5                      | 109 300*                             |                         |                            |                                      |                         |                            |                                      | 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                      | 90 800*                              |                         |                            |                                      | 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                      | 87 400*                              |                         |                            |                                      | 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                      | 84 200*                              |                         |                            |                                      | 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                      | 78 200*                              |                         |                            |                                      | 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                      | 72 800*                              | 53.2                    | 131.3                      | 67 400*                              | 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                      | 67 900*                              | 50.0                    | 128.0                      | 62 700*                              | 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                      | 63 300*                              | 46.6                    | 124.4                      | 58 400*                              | 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                      | 54 400*                              | 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                      | 50 700*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      | 21.1                    | 94.5                       | 38 800*                              | 28.9                    | 104.1                      | 45 600*                              | 34.9                    | 110.1                      | 47 300*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      | 12.0                    | 80.5                       | 34 600*                              | 23.0                    | 95.7                       | 40 400*                              | 30.1                    | 103.7                      | 44 100*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 15.1                    | 83.7                       | 35 900*                              | 24.5                    | 95.7                       | 41 000*                              | 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 286 800*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 47.0                    | 96.6                       | 273 600*                             | 58.8                    | 100.5                      | 268 900*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 42.5                    | 94.5                       | 253 500*                             | 55.0                    | 99.1                       | 252 900*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 37.4                    | 92.0                       | 235 400*                             | 51.0                    | 97.5                       | 238 500*                             | 62.0                    | 100.2                      | 227 100*b                            |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 31.7                    | 88.9                       | 219 400*                             | 46.7                    | 95.6                       | 225 500*                             | 58.3                    | 99.0                       | 214 700*b                            |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 24.6                    | 84.9                       | 205 800*                             | 42.1                    | 93.5                       | 213 600*                             | 54.5                    | 97.6                       | 203 500*b                            |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 14.5                    | 78.7                       | 196 100*                             | 37.0                    | 90.9                       | 202 800*                             | 50.5                    | 95.9                       | 193 200*                             |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      |                         |                            |                                      | 31.2                    | 87.8                       | 192 700*                             | 46.1                    | 94.0                       | 183 800*                             | 57.6                    | 96.9                       | 174 600*b                            |                         |                            |                                      | 46.0                      |
| 48.0                      |                         |                            |                                      | 24.0                    | 83.7                       | 183 400*                             | 41.5                    | 91.8                       | 175 000*                             | 53.7                    | 95.4                       | 166 300*b                            |                         |                            |                                      | 48.0                      |
| 50.0                      |                         |                            |                                      | 13.3                    | 77.2                       | 174 400*                             | 36.3                    | 89.2                       | 167 000*                             | 49.6                    | 93.8                       | 158 700*                             |                         |                            |                                      | 50.0                      |
| 52.0                      |                         |                            |                                      |                         |                            |                                      | 30.4                    | 86.0                       | 159 400*                             | 45.3                    | 91.8                       | 151 600*                             |                         |                            |                                      | 52.0                      |
| 54.0                      |                         |                            |                                      |                         |                            |                                      | 23.0                    | 81.7                       | 152 200*                             | 40.5                    | 89.5                       | 145 100*                             | 52.6                    | 92.7                       | 137 600*b                            | 54.0                      |
| 56.0                      |                         |                            |                                      |                         |                            |                                      | 11.2                    | 74.5                       | 145 100*                             | 35.2                    | 86.8                       | 138 900*                             | 48.4                    | 90.9                       | 131 700*                             | 56.0                      |
| 58.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 29.1                    | 83.4                       | 133 000*                             | 44.0                    | 88.9                       | 126 300*                             | 58.0                      |
| 60.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.2                    | 78.8                       | 127 300*                             | 39.1                    | 86.5                       | 121 100*                             | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 33.6                    | 83.6                       | 116 200*                             | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 27.1                    | 80.0                       | 111 600*                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 18.4                    | 74.8                       | 107 000*                             | 66.0                      |

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

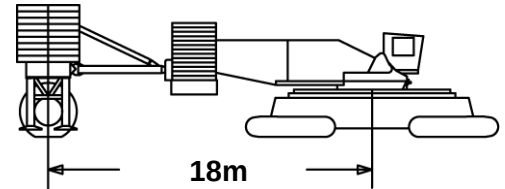
Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).

# Liftcrane Luffing Jib Capacities

**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  
350 170 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, 42.7m (140 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                     |                                      | 80 Degree<br>Boom Angle |                     |                                      | 75 Degree<br>Boom Angle |                     |                                      | 70 Degree<br>Boom Angle |                     |                                      | 65 Degree<br>Boom Angle |                     |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|---------------------|--------------------------------------|-------------------------|---------------------|--------------------------------------|-------------------------|---------------------|--------------------------------------|-------------------------|---------------------|--------------------------------------|-------------------------|---------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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               | 285 100*b                            |                         |                     |                                      |                         |                     |                                      |                         |                     |                                      | 32.0                      |
| 34.0                      | 54.4                    | 104.7               | 264 300*                             | 63.7                    | 107.5               | 267 200*b                            |                         |                     |                                      |                         |                     |                                      |                         |                     |                                      | 34.0                      |
| 36.0                      | 51.0                    | 103.0               | 246 100*                             | 60.6                    | 106.4               | 251 300*b                            |                         |                     |                                      |                         |                     |                                      |                         |                     |                                      | 36.0                      |
| 38.0                      | 47.3                    | 101.2               | 229 200*                             | 57.4                    | 105.1               | 237 000*                             |                         |                     |                                      |                         |                     |                                      |                         |                     |                                      | 38.0                      |
| 40.0                      | 43.5                    | 99.2                | 213 400*                             | 54.1                    | 103.7               | 224 100*                             | 63.3                    | 106.0               | 212 800*b                            |                         |                     |                                      |                         |                     |                                      | 40.0                      |
| 42.0                      | 39.3                    | 96.8                | 199 000*                             | 50.7                    | 102.1               | 212 400*                             | 60.2                    | 104.9               | 201 600*b                            |                         |                     |                                      |                         |                     |                                      | 42.0                      |
| 44.0                      | 34.7                    | 94.0                | 186 100*                             | 47.0                    | 100.3               | 201 700*                             | 57.0                    | 103.6               | 191 500*                             |                         |                     |                                      |                         |                     |                                      | 44.0                      |
| 46.0                      | 29.4                    | 90.6                | 174 600*                             | 43.2                    | 98.2                | 191 800*                             | 53.7                    | 102.2               | 182 200*                             |                         |                     |                                      |                         |                     |                                      | 46.0                      |
| 48.0                      | 23.0                    | 86.3                | 164 900*                             | 39.0                    | 95.8                | 182 700*                             | 50.2                    | 100.5               | 173 600*                             |                         |                     |                                      |                         |                     |                                      | 48.0                      |
| 50.0                      | 13.9                    | 79.8                | 157 900*                             | 34.3                    | 92.9                | 174 300*                             | 46.6                    | 98.7                | 165 600*                             | 56.4                    | 101.5               | 156 900*                             |                         |                     |                                      | 50.0                      |
| 52.0                      |                         |                     |                                      | 29.0                    | 89.5                | 166 500*                             | 42.7                    | 96.5                | 158 300*                             | 53.1                    | 100.0               | 149 900*                             |                         |                     |                                      | 52.0                      |
| 54.0                      |                         |                     |                                      | 22.5                    | 85.1                | 159 100*                             | 38.4                    | 94.1                | 151 400*                             | 49.5                    | 98.4                | 143 400*                             |                         |                     |                                      | 54.0                      |
| 56.0                      |                         |                     |                                      | 12.9                    | 78.2                | 151 900*                             | 33.7                    | 91.2                | 144 900*                             | 45.8                    | 96.4                | 137 300*                             |                         |                     |                                      | 56.0                      |
| 58.0                      |                         |                     |                                      |                         |                     |                                      | 28.2                    | 87.7                | 138 900*                             | 41.9                    | 94.3                | 131 700*                             | 52.1                    | 97.3                | 124 400*                             | 58.0                      |
| 60.0                      |                         |                     |                                      |                         |                     |                                      | 21.5                    | 83.1                | 133 100*                             | 37.5                    | 91.7                | 126 300*                             | 48.5                    | 95.5                | 119 400*                             | 60.0                      |
| 62.0                      |                         |                     |                                      |                         |                     |                                      | 11.1                    | 75.6                | 127 300*                             | 32.7                    | 88.7                | 121 300*                             | 44.7                    | 93.5                | 114 600*                             | 62.0                      |
| 64.0                      |                         |                     |                                      |                         |                     |                                      |                         |                     |                                      | 27.1                    | 85.1                | 116 500*                             | 40.7                    | 91.3                | 110 200*                             | 64.0                      |
| 66.0                      |                         |                     |                                      |                         |                     |                                      |                         |                     |                                      | 19.9                    | 80.1                | 111 800*                             | 36.2                    | 88.6                | 105 900*                             | 66.0                      |
| 68.0                      |                         |                     |                                      |                         |                     |                                      |                         |                     |                                      |                         |                     |                                      | 31.2                    | 85.5                | 101 900*                             | 68.0                      |
| 70.0                      |                         |                     |                                      |                         |                     |                                      |                         |                     |                                      |                         |                     |                                      | 25.2                    | 81.5                | 98 000*                              | 70.0                      |
| 72.0                      |                         |                     |                                      |                         |                     |                                      |                         |                     |                                      |                         |                     |                                      | 17.4                    | 76.0                | 94 200*                              | 72.0                      |

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

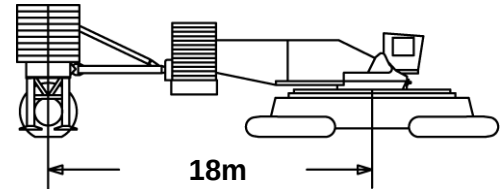
**Do not luff into area indicated by (c)**  
**with 16 780 kg minimum weight**  
(see CAUTION on page 1).

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 283 600*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 59.4                    | 112.0                      | 253 700*                             | 67.2                    | 114.3                      | 265 900*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 56.6                    | 110.7                      | 238 000*                             | 64.6                    | 113.3                      | 250 100*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 53.7                    | 109.3                      | 222 900*                             | 62.0                    | 112.3                      | 235 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 50.7                    | 107.6                      | 208 600*                             | 59.2                    | 111.1                      | 223 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 47.5                    | 105.8                      | 195 100*                             | 56.4                    | 109.8                      | 211 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 44.2                    | 103.8                      | 182 500*                             | 53.5                    | 108.3                      | 200 700*                             | 61.6                    | 110.8                      | 190 200*                             |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 40.6                    | 101.5                      | 171 000*                             | 50.5                    | 106.7                      | 190 900*                             | 58.9                    | 109.6                      | 180 900*                             |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 36.8                    | 98.9                       | 160 400*                             | 47.3                    | 104.9                      | 182 000*                             | 56.1                    | 108.3                      | 172 400*                             |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 32.5                    | 95.9                       | 150 900*                             | 43.9                    | 102.8                      | 173 700*                             | 53.1                    | 106.8                      | 164 500*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 27.7                    | 92.3                       | 142 400*                             | 40.4                    | 100.5                      | 166 000*                             | 50.1                    | 105.1                      | 157 200*                             | 58.3                    | 107.5                      | 148 500*                             |                         |                            |                                      | 52.0                      |
| 54.0                      | 21.8                    | 87.7                       | 135 300*                             | 36.5                    | 97.9                       | 158 800*                             | 46.9                    | 103.3                      | 150 400*                             | 55.5                    | 106.2                      | 142 100*                             |                         |                            |                                      | 54.0                      |
| 56.0                      | 13.4                    | 80.9                       | 130 100*                             | 32.2                    | 94.8                       | 152 100*                             | 43.5                    | 101.2                      | 144 100*                             | 52.5                    | 104.6                      | 136 100*                             |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      | 27.2                    | 91.1                       | 145 800*                             | 39.9                    | 98.9                       | 138 200*                             | 49.5                    | 102.9                      | 130 500*                             |                         |                            |                                      | 58.0                      |
| 60.0                      |                         |                            |                                      | 21.2                    | 86.4                       | 139 700*                             | 36.0                    | 96.2                       | 132 600*                             | 46.2                    | 101.1                      | 125 300*                             |                         |                            |                                      | 60.0                      |
| 62.0                      |                         |                            |                                      | 12.6                    | 79.3                       | 133 900*                             | 31.6                    | 93.1                       | 127 400*                             | 42.8                    | 98.9                       | 120 300*                             | 51.7                    | 101.9                      | 113 300*                             | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      | 26.6                    | 89.3                       | 122 400*                             | 39.1                    | 96.5                       | 115 700*                             | 48.6                    | 100.1                      | 108 900*                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      | 20.4                    | 84.4                       | 117 600*                             | 35.1                    | 93.8                       | 111 300*                             | 45.3                    | 98.2                       | 104 800*                             | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      | 11.0                    | 76.6                       | 112 800*                             | 30.7                    | 90.5                       | 107 100*                             | 41.8                    | 96.0                       | 100 900*                             | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 25.5                    | 86.6                       | 103 100*                             | 38.0                    | 93.5                       | 97 200*                              | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 18.9                    | 81.4                       | 99 100*                              | 33.9                    | 90.6                       | 93 600*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 29.3                    | 87.2                       | 90 200*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 23.8                    | 83.0                       | 86 900*                              | 76.0                      |

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

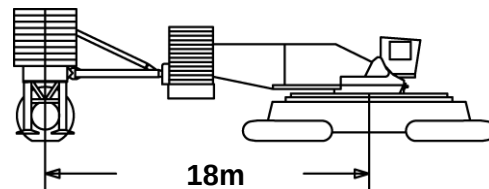
Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms |                           |
| 24.4                      | 74.1                    | 123.0                      | 282 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.4                      |
| 26.0                      | 72.3                    | 122.5                      | 282 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.0                      |
| 28.0                      | 70.1                    | 121.8                      | 278 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.0                      |
| 30.0                      | 67.8                    | 121.0                      | 265 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                      |
| 32.0                      | 65.5                    | 120.1                      | 253 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 63.2                    | 119.0                      | 240 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 60.8                    | 117.9                      | 227 700*                             | 67.6                    | 120.1                      | 248 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 58.3                    | 116.7                      | 214 900*                             | 65.3                    | 119.1                      | 233 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 55.8                    | 115.4                      | 202 300*                             | 63.0                    | 118.1                      | 221 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 53.2                    | 113.9                      | 190 300*                             | 60.6                    | 117.0                      | 209 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 50.5                    | 112.2                      | 178 800*                             | 58.1                    | 115.8                      | 199 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 47.7                    | 110.4                      | 168 000*                             | 55.6                    | 114.4                      | 189 300*                             | 62.7                    | 116.7                      | 178 800*                             |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 44.8                    | 108.5                      | 158 000*                             | 53.0                    | 112.9                      | 180 400*                             | 60.3                    | 115.5                      | 170 400*                             |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 41.7                    | 106.3                      | 148 600*                             | 50.3                    | 111.3                      | 172 100*                             | 57.8                    | 114.3                      | 162 600*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 38.3                    | 103.8                      | 139 900*                             | 47.5                    | 109.5                      | 164 500*                             | 55.3                    | 112.9                      | 155 300*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 34.7                    | 101.0                      | 132 000*                             | 44.5                    | 107.5                      | 157 400*                             | 52.7                    | 111.4                      | 148 600*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 30.8                    | 97.7                       | 124 900*                             | 41.4                    | 105.2                      | 150 800*                             | 50.0                    | 109.7                      | 142 400*                             | 57.3                    | 112.2                      | 134 100*                             |                         |                            |                                      | 56.0                      |
| 58.0                      | 26.2                    | 93.9                       | 118 500*                             | 38.1                    | 102.7                      | 144 600*                             | 47.1                    | 107.9                      | 136 500*                             | 54.8                    | 110.8                      | 128 500*                             |                         |                            |                                      | 58.0                      |
| 60.0                      | 20.7                    | 89.0                       | 113 100*                             | 34.4                    | 99.9                       | 138 800*                             | 44.2                    | 105.9                      | 131 100*                             | 52.2                    | 109.2                      | 123 400*                             |                         |                            |                                      | 60.0                      |
| 62.0                      | 13.1                    | 82.0                       | 109 100*                             | 30.4                    | 96.6                       | 133 300*                             | 41.0                    | 103.6                      | 125 900*                             | 49.4                    | 107.5                      | 118 500*                             |                         |                            |                                      | 62.0                      |
| 64.0                      |                         |                            |                                      | 25.8                    | 92.7                       | 128 100*                             | 37.6                    | 101.1                      | 121 100*                             | 46.6                    | 105.7                      | 113 900*                             | 54.1                    | 108.0                      | 106 800*                             | 64.0                      |
| 66.0                      |                         |                            |                                      | 20.3                    | 87.8                       | 123 100*                             | 34.0                    | 98.2                       | 116 500*                             | 43.6                    | 103.6                      | 109 600*                             | 51.4                    | 106.5                      | 102 800*                             | 66.0                      |
| 68.0                      |                         |                            |                                      | 12.3                    | 80.4                       | 118 200*                             | 29.9                    | 94.8                       | 112 100*                             | 40.4                    | 101.3                      | 105 500*                             | 48.6                    | 104.7                      | 98 900*                              | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      | 25.2                    | 90.8                       | 107 900*                             | 36.9                    | 98.7                       | 101 600*                             | 45.7                    | 102.8                      | 95 300*                              | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      | 19.4                    | 85.7                       | 103 900*                             | 33.2                    | 95.7                       | 97 900*                              | 42.7                    | 100.7                      | 91 800*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      | 10.9                    | 77.7                       | 99 800*                              | 29.0                    | 92.3                       | 94 400*                              | 39.4                    | 98.3                       | 88 500*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.2                    | 88.1                       | 91 000*                              | 35.9                    | 95.6                       | 85 400*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 27.7                    | 88.9                       | 79 400*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 15.9                    | 78.3                       | 73 800*                              | 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

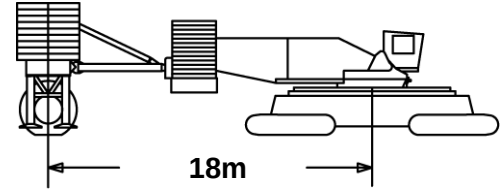
90 720 kg Carbody Counterweight

350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 232 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 59.7                    | 122.6                      | 194 900*                             | 65.9                    | 124.9                      | 219 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 57.4                    | 121.4                      | 184 500*                             | 63.8                    | 124.0                      | 208 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 55.2                    | 120.0                      | 174 400*                             | 61.7                    | 122.9                      | 197 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 52.8                    | 118.5                      | 164 700*                             | 59.5                    | 121.7                      | 187 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 50.4                    | 116.8                      | 155 500*                             | 57.3                    | 120.4                      | 179 000*                             | 63.5                    | 122.5                      | 168 900*                             |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 47.8                    | 115.1                      | 146 700*                             | 55.0                    | 119.0                      | 170 900*                             | 61.4                    | 121.4                      | 161 100*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 45.2                    | 113.1                      | 138 400*                             | 52.6                    | 117.5                      | 163 300*                             | 59.2                    | 120.2                      | 153 900*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 42.4                    | 110.9                      | 130 700*                             | 50.2                    | 115.9                      | 156 200*                             | 57.0                    | 118.9                      | 147 200*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 39.5                    | 108.6                      | 123 600*                             | 47.6                    | 114.1                      | 149 700*                             | 54.7                    | 117.5                      | 141 000*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 36.4                    | 105.9                      | 116 900*                             | 45.0                    | 112.1                      | 143 600*                             | 52.3                    | 116.0                      | 135 200*                             | 58.8                    | 118.1                      | 127 000*                             |                         |                            |                                      | 58.0                      |
| 60.0                      | 33.0                    | 102.9                      | 110 900*                             | 42.2                    | 109.9                      | 137 800*                             | 49.9                    | 114.3                      | 129 800*                             | 56.5                    | 116.8                      | 121 800*                             |                         |                            |                                      | 60.0                      |
| 62.0                      | 29.3                    | 99.5                       | 105 400*                             | 39.3                    | 107.5                      | 132 400*                             | 47.3                    | 112.5                      | 124 700*                             | 54.2                    | 115.4                      | 117 000*                             |                         |                            |                                      | 62.0                      |
| 64.0                      | 25.0                    | 95.4                       | 100 500*                             | 36.2                    | 104.9                      | 127 300*                             | 44.7                    | 110.5                      | 119 900*                             | 51.8                    | 113.8                      | 112 500*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 19.9                    | 90.3                       | 96 300*                              | 32.7                    | 101.8                      | 122 500*                             | 41.9                    | 108.3                      | 115 400*                             | 49.4                    | 112.1                      | 108 200*                             |                         |                            |                                      | 66.0                      |
| 68.0                      | 12.8                    | 83.1                       | 93 200*                              | 29.0                    | 98.4                       | 118 000*                             | 38.9                    | 105.9                      | 111 100*                             | 46.8                    | 110.3                      | 104 200*                             | 53.6                    | 112.7                      | 97 400*                              | 68.0                      |
| 70.0                      |                         |                            |                                      | 24.7                    | 94.2                       | 113 600*                             | 35.7                    | 103.2                      | 107 000*                             | 44.1                    | 108.3                      | 100 300*                             | 51.1                    | 111.1                      | 93 800*                              | 70.0                      |
| 72.0                      |                         |                            |                                      | 19.4                    | 89.0                       | 109 400*                             | 32.3                    | 100.1                      | 103 200*                             | 41.3                    | 106.0                      | 96 700*                              | 48.7                    | 109.3                      | 90 400*                              | 72.0                      |
| 74.0                      |                         |                            |                                      | 12.1                    | 81.5                       | 105 300*                             | 28.5                    | 96.5                       | 99 500*                              | 38.3                    | 103.5                      | 93 300*                              | 46.1                    | 107.4                      | 87 100*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      | 24.1                    | 92.3                       | 95 900*                              | 35.1                    | 100.8                      | 90 000*                              | 43.3                    | 105.3                      | 84 000*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      | 10.8                    | 78.8                       | 89 000*                              | 27.7                    | 93.9                       | 83 800*                              | 37.4                    | 100.5                      | 78 300*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 17.4                    | 83.8                       | 78 000*                              | 30.5                    | 94.3                       | 73 000*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.7                    | 85.8                       | 68 000*                              | 88.0                      |

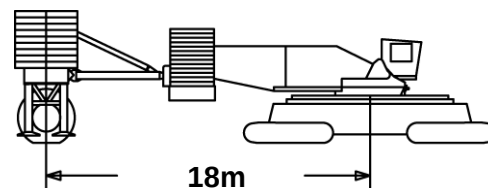
Capacities indicated by **(b)** require  
16 780 kg minimum weight suspended  
beneath luffing jib point.

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 218 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 60.7                    | 128.5                      | 176 600*                             | 66.4                    | 130.7                      | 206 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 58.7                    | 127.3                      | 168 100*                             | 64.5                    | 129.8                      | 195 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 56.7                    | 126.0                      | 159 700*                             | 62.5                    | 128.7                      | 186 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 54.6                    | 124.6                      | 151 500*                             | 60.6                    | 127.6                      | 177 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 52.5                    | 123.1                      | 143 600*                             | 58.6                    | 126.4                      | 169 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 50.2                    | 121.4                      | 136 100*                             | 56.5                    | 125.1                      | 161 500*                             | 62.3                    | 127.3                      | 151 800*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 48.0                    | 119.7                      | 128 900*                             | 54.4                    | 123.7                      | 154 500*                             | 60.3                    | 126.1                      | 145 200*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 45.6                    | 117.7                      | 122 100*                             | 52.3                    | 122.1                      | 148 000*                             | 58.3                    | 124.9                      | 139 000*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 43.1                    | 115.6                      | 115 700*                             | 50.1                    | 120.5                      | 141 900*                             | 56.3                    | 123.6                      | 133 200*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 40.5                    | 113.3                      | 109 800*                             | 47.8                    | 118.7                      | 136 200*                             | 54.2                    | 122.1                      | 127 900*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 37.7                    | 110.8                      | 104 200*                             | 45.4                    | 116.7                      | 130 800*                             | 52.0                    | 120.6                      | 122 800*                             | 57.9                    | 122.8                      | 114 900*                             |                         |                            |                                      | 62.0                      |
| 64.0                      | 34.8                    | 107.9                      | 99 000*                              | 42.9                    | 114.6                      | 125 800*                             | 49.8                    | 118.9                      | 118 100*                             | 55.9                    | 121.5                      | 110 400*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 31.6                    | 104.8                      | 94 300*                              | 40.3                    | 112.3                      | 121 100*                             | 47.5                    | 117.1                      | 113 600*                             | 53.8                    | 120.0                      | 106 200*                             |                         |                            |                                      | 66.0                      |
| 68.0                      | 28.0                    | 101.2                      | 90 000*                              | 37.5                    | 109.7                      | 116 600*                             | 45.1                    | 115.1                      | 109 300*                             | 51.6                    | 118.4                      | 102 200*                             |                         |                            |                                      | 68.0                      |
| 70.0                      | 24.0                    | 96.9                       | 86 200*                              | 34.5                    | 106.9                      | 112 300*                             | 42.6                    | 113.0                      | 105 300*                             | 49.3                    | 116.7                      | 98 400*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 19.2                    | 91.6                       | 82 900*                              | 31.3                    | 103.7                      | 108 300*                             | 39.9                    | 110.6                      | 101 500*                             | 47.0                    | 114.9                      | 94 800*                              | 53.1                    | 117.3                      | 88 200*                              | 72.0                      |
| 74.0                      | 12.6                    | 84.2                       | 80 600*                              | 27.7                    | 100.0                      | 104 400*                             | 37.1                    | 108.0                      | 98 000*                              | 44.6                    | 112.9                      | 91 400*                              | 51.0                    | 115.7                      | 85 000*                              | 74.0                      |
| 76.0                      |                         |                            |                                      | 23.7                    | 95.7                       | 100 700*                             | 34.1                    | 105.2                      | 94 500*                              | 42.1                    | 110.7                      | 88 200*                              | 48.7                    | 113.9                      | 82 000*                              | 76.0                      |
| 80.0                      |                         |                            |                                      | 11.9                    | 82.6                       | 93 600*                              | 27.3                    | 98.2                       | 88 000*                              | 36.6                    | 105.7                      | 82 200*                              | 43.9                    | 110.0                      | 76 300*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      | 18.0                    | 88.2                       | 82 100*                              | 30.2                    | 99.4                       | 76 600*                              | 38.6                    | 105.3                      | 71 200*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.2                    | 91.0                       | 71 500*                              | 32.6                    | 99.5                       | 66 400*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 25.4                    | 92.0                       | 61 900*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 15.0                    | 80.6                       | 57 700*                              | 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

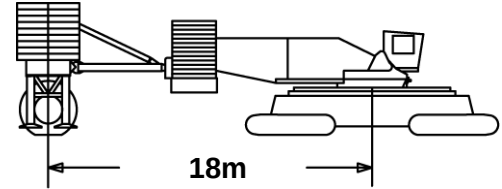
90 720 kg Carbody Counterweight

350 170 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



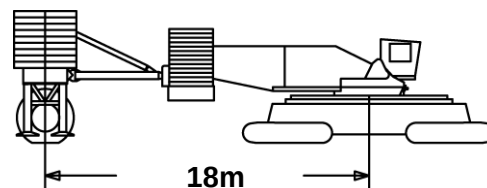
**67.1m (220 Ft.) Boom, 73.2m (240 Ft.) Luffing Jib**

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 193 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 59.8                    | 133.3                      | 154 000*                             | 65.0                    | 135.6                      | 184 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 58.0                    | 132.0                      | 147 000*                             | 63.3                    | 134.6                      | 175 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 56.1                    | 130.7                      | 140 200*                             | 61.5                    | 133.5                      | 167 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 54.1                    | 129.2                      | 133 600*                             | 59.7                    | 132.3                      | 159 900*                             | 64.8                    | 134.1                      | 150 100*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 52.2                    | 127.7                      | 127 100*                             | 57.8                    | 131.1                      | 152 900*                             | 63.0                    | 133.1                      | 143 400*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 50.1                    | 126.0                      | 120 900*                             | 55.9                    | 129.7                      | 146 400*                             | 61.3                    | 132.0                      | 137 300*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 48.0                    | 124.3                      | 115 000*                             | 54.0                    | 128.3                      | 140 400*                             | 59.4                    | 130.8                      | 131 600*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 45.9                    | 122.3                      | 109 300*                             | 52.0                    | 126.7                      | 134 700*                             | 57.6                    | 129.6                      | 126 200*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 43.6                    | 120.3                      | 104 000*                             | 50.0                    | 125.1                      | 129 400*                             | 55.7                    | 128.2                      | 121 100*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 41.3                    | 118.0                      | 99 000*                              | 47.9                    | 123.3                      | 124 300*                             | 53.8                    | 126.8                      | 116 500*                             | 59.1                    | 128.8                      | 108 600*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 38.8                    | 115.6                      | 94 300*                              | 45.7                    | 121.4                      | 119 700*                             | 51.8                    | 125.2                      | 112 000*                             | 57.2                    | 127.5                      | 104 400*                             |                         |                            |                                      | 66.0                      |
| 68.0                      | 36.2                    | 112.9                      | 89 900*                              | 43.4                    | 119.3                      | 115 200*                             | 49.7                    | 123.5                      | 107 800*                             | 55.3                    | 126.1                      | 100 400*                             |                         |                            |                                      | 68.0                      |
| 70.0                      | 33.3                    | 109.9                      | 85 900*                              | 41.1                    | 117.0                      | 111 000*                             | 47.6                    | 121.7                      | 103 800*                             | 53.4                    | 124.6                      | 96 700*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 30.3                    | 106.6                      | 82 200*                              | 38.6                    | 114.5                      | 107 000*                             | 45.4                    | 119.8                      | 100 100*                             | 51.4                    | 123.1                      | 93 100*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 27.0                    | 102.8                      | 78 700*                              | 35.9                    | 111.8                      | 103 200*                             | 43.1                    | 117.7                      | 96 500*                              | 49.3                    | 121.3                      | 89 800*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 23.1                    | 98.4                       | 75 700*                              | 33.1                    | 108.8                      | 99 600*                              | 40.8                    | 115.4                      | 93 100*                              | 47.2                    | 119.5                      | 86 600*                              | 52.8                    | 121.9                      | 80 200*                              | 76.0                      |
| 80.0                      | 12.4                    | 85.2                       | 71 400*                              | 26.7                    | 101.6                      | 92 900*                              | 35.6                    | 110.1                      | 86 800*                              | 42.7                    | 115.4                      | 80 600*                              | 48.7                    | 118.5                      | 74 600*                              | 80.0                      |
| 84.0                      |                         |                            |                                      | 18.2                    | 91.6                       | 86 600*                              | 29.7                    | 103.7                      | 80 900*                              | 37.8                    | 110.5                      | 75 200*                              | 44.3                    | 114.6                      | 69 500*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      | 22.3                    | 95.2                       | 75 600*                              | 32.2                    | 104.6                      | 70 200*                              | 39.6                    | 110.0                      | 64 800*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      | 10.7                    | 80.9                       | 70 300*                              | 25.5                    | 97.1                       | 65 500*                              | 34.3                    | 104.6                      | 60 500*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 16.4                    | 86.2                       | 61 100*                              | 28.1                    | 97.7                       | 56 500*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.1                    | 88.5                       | 52 700*                              | 100.0                     |

# Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On  
Boom No. 80 With 42.7m Mast No. 81  
224 390 kg Crane Counterweight  
90 720 kg Carbody Counterweight  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 171 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 59.0                    | 138.0                      | 134 600*                             | 63.9                    | 140.4                      | 165 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 57.3                    | 136.7                      | 128 900*                             | 62.2                    | 139.4                      | 158 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 55.6                    | 135.3                      | 123 300*                             | 60.6                    | 138.2                      | 151 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 53.8                    | 133.9                      | 117 800*                             | 58.9                    | 137.0                      | 144 600*                             | 63.7                    | 138.9                      | 135 300*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 51.9                    | 132.3                      | 112 500*                             | 57.2                    | 135.8                      | 138 600*                             | 62.0                    | 137.9                      | 129 500*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 50.0                    | 130.6                      | 107 300*                             | 55.4                    | 134.4                      | 132 900*                             | 60.4                    | 136.8                      | 124 200*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 48.1                    | 128.9                      | 102 400*                             | 53.6                    | 132.9                      | 127 600*                             | 58.7                    | 135.5                      | 119 200*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 46.1                    | 127.0                      | 97 700*                              | 51.8                    | 131.3                      | 122 600*                             | 56.9                    | 134.2                      | 114 500*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 44.0                    | 124.9                      | 93 200*                              | 49.9                    | 129.7                      | 117 900*                             | 55.2                    | 132.9                      | 110 100*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 41.9                    | 122.7                      | 89 000*                              | 48.0                    | 127.9                      | 113 500*                             | 53.4                    | 131.4                      | 105 900*                             | 58.3                    | 133.5                      | 98 400*                              |                         |                            |                                      | 68.0                      |
| 70.0                      | 39.6                    | 120.3                      | 85 000*                              | 46.0                    | 126.0                      | 109 300*                             | 51.6                    | 129.8                      | 101 900*                             | 56.6                    | 132.1                      | 94 600*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 37.3                    | 117.7                      | 81 300*                              | 43.9                    | 123.9                      | 105 400*                             | 49.7                    | 128.1                      | 98 200*                              | 54.8                    | 130.7                      | 91 100*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 34.8                    | 114.9                      | 77 800*                              | 41.7                    | 121.7                      | 101 700*                             | 47.7                    | 126.3                      | 94 700*                              | 53.0                    | 129.3                      | 87 800*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 32.1                    | 111.8                      | 74 500*                              | 39.5                    | 119.3                      | 98 100*                              | 45.7                    | 124.4                      | 91 300*                              | 51.2                    | 127.7                      | 84 600*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 26.0                    | 104.4                      | 68 800*                              | 34.6                    | 113.9                      | 91 400*                              | 41.4                    | 120.1                      | 85 000*                              | 47.3                    | 124.1                      | 78 700*                              | 52.5                    | 126.5                      | 72 500*                              | 80.0                      |
| 84.0                      | 18.0                    | 94.1                       | 64 300*                              | 29.0                    | 107.2                      | 85 400*                              | 36.8                    | 115.0                      | 79 400*                              | 43.2                    | 120.1                      | 73 300*                              | 48.7                    | 123.1                      | 67 500*                              | 84.0                      |
| 88.0                      |                         |                            |                                      | 22.1                    | 98.5                       | 79 700*                              | 31.5                    | 109.0                      | 74 100*                              | 38.7                    | 115.3                      | 68 500*                              | 44.7                    | 119.3                      | 62 900*                              | 88.0                      |
| 92.0                      |                         |                            |                                      | 11.6                    | 84.7                       | 74 300*                              | 25.3                    | 101.3                      | 69 200*                              | 33.7                    | 109.7                      | 63 900*                              | 40.4                    | 114.8                      | 58 600*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      | 17.0                    | 90.6                       | 64 600*                              | 28.0                    | 102.8                      | 59 700*                              | 35.6                    | 109.5                      | 54 700*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.8                    | 93.7                       | 55 700*                              | 30.2                    | 103.2                      | 51 000*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 23.6                    | 95.0                       | 47 600*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 14.3                    | 82.9                       | 44 200*                              | 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

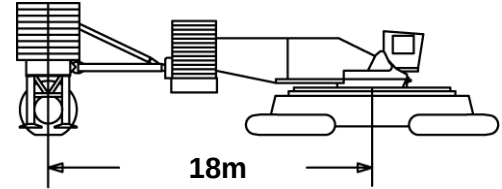
90 720 kg Carbody Counterweight

350 170 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**

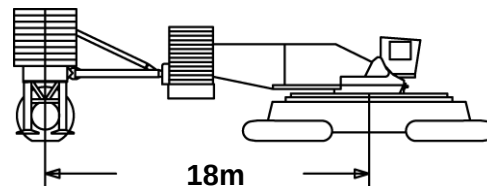
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 137 100*                             | 64.2                    | 144.8                      | 127 900*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 53.4                    | 138.5                      | 104 800*                             | 58.2                    | 141.7                      | 131 400*                             | 62.7                    | 143.7                      | 122 600*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 51.7                    | 136.9                      | 100 400*                             | 56.6                    | 140.4                      | 126 200*                             | 61.1                    | 142.6                      | 117 600*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 50.0                    | 135.2                      | 96 200*                              | 55.0                    | 139.0                      | 121 200*                             | 59.6                    | 141.5                      | 112 900*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 48.2                    | 133.5                      | 92 000*                              | 53.3                    | 137.5                      | 116 500*                             | 58.0                    | 140.2                      | 108 500*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 46.3                    | 131.6                      | 88 000*                              | 51.6                    | 136.0                      | 111 400*                             | 56.4                    | 138.9                      | 104 300*                             |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 44.4                    | 129.6                      | 84 200*                              | 49.8                    | 134.3                      | 106 600*                             | 54.8                    | 137.5                      | 100 400*                             |                         |                            |                                      |                         |                            |                                      | 70.0                      |
| 72.0                      | 42.4                    | 127.4                      | 80 600*                              | 48.0                    | 132.5                      | 101 900*                             | 53.1                    | 136.0                      | 96 700*                              | 57.7                    | 138.1                      | 89 500*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 40.4                    | 125.1                      | 77 200*                              | 46.2                    | 130.6                      | 97 300*                              | 51.4                    | 134.4                      | 93 200*                              | 56.1                    | 136.8                      | 86 200*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 38.2                    | 122.6                      | 74 000*                              | 44.3                    | 128.6                      | 92 900*                              | 49.6                    | 132.7                      | 89 900*                              | 54.4                    | 135.4                      | 83 000*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 33.6                    | 116.9                      | 68 100*                              | 40.2                    | 124.0                      | 84 600*                              | 45.9                    | 129.0                      | 83 600*                              | 51.0                    | 132.3                      | 77 200*                              |                         |                            |                                      | 80.0                      |
| 84.0                      | 28.2                    | 110.0                      | 63 000*                              | 35.8                    | 118.8                      | 76 900*                              | 42.0                    | 124.8                      | 78 000*                              | 47.4                    | 128.7                      | 71 800*                              | 52.3                    | 131.1                      | 65 900*                              | 84.0                      |
| 88.0                      | 21.7                    | 101.2                      | 58 800*                              | 30.8                    | 112.5                      | 69 900*                              | 37.8                    | 119.9                      | 72 800*                              | 43.6                    | 124.7                      | 67 000*                              | 48.8                    | 127.7                      | 61 300*                              | 88.0                      |
| 92.0                      | 12.1                    | 87.4                       | 55 200*                              | 24.9                    | 104.8                      | 63 600*                              | 33.1                    | 114.1                      | 68 100*                              | 39.5                    | 120.1                      | 62 500*                              | 45.0                    | 123.9                      | 57 100*                              | 92.0                      |
| 96.0                      |                         |                            |                                      | 17.2                    | 94.0                       | 58 100*                              | 27.6                    | 107.1                      | 63 600*                              | 35.0                    | 114.7                      | 58 400*                              | 41.0                    | 119.5                      | 53 200*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      | 20.9                    | 97.9                       | 59 500*                              | 29.9                    | 108.3                      | 54 600*                              | 36.7                    | 114.4                      | 49 600*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      | 10.6                    | 83.1                       | 55 400*                              | 23.9                    | 100.1                      | 50 900*                              | 31.8                    | 108.4                      | 46 300*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 15.6                    | 88.6                       | 47 400*                              | 26.2                    | 101.0                      | 43 100*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 19.0                    | 91.0                       | 40 100*                              | 112.0                     |

# Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On  
Boom No. 80 With 42.7m Mast No. 81  
224 390 kg Crane Counterweight  
90 720 kg Carbody Counterweight  
350 170 kg Wheeled Counterweight  
at 18m Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating**

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

**21000  
MAX-ER**



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

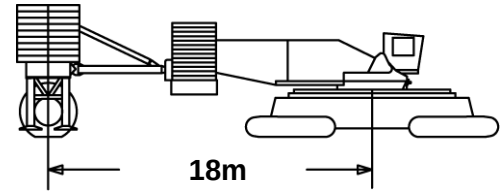
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 120 500*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 54.7                    | 144.6                      | 93 400*                              | 59.1                    | 147.7                      | 109 100*                             | 63.2                    | 149.6                      | 115 600*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 53.1                    | 143.1                      | 88 900*                              | 57.6                    | 146.4                      | 104 200*                             | 61.8                    | 148.5                      | 110 900*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 51.5                    | 141.5                      | 84 400*                              | 56.1                    | 145.1                      | 99 200*                              | 60.4                    | 147.4                      | 106 500*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 49.9                    | 139.8                      | 80 100*                              | 54.6                    | 143.6                      | 94 500*                              | 58.9                    | 146.2                      | 102 400*                             |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 48.2                    | 138.1                      | 76 000*                              | 53.0                    | 142.1                      | 90 000*                              | 57.4                    | 144.9                      | 98 500*                              |                         |                            |                                      |                         |                            |                                      | 70.0                      |
| 72.0                      | 46.5                    | 136.2                      | 72 100*                              | 51.4                    | 140.6                      | 85 500*                              | 55.9                    | 143.5                      | 94 800*                              |                         |                            |                                      |                         |                            |                                      | 72.0                      |
| 74.0                      | 44.7                    | 134.2                      | 68 300*                              | 49.8                    | 138.9                      | 81 100*                              | 54.4                    | 142.1                      | 91 300*                              | 58.6                    | 144.1                      | 84 100*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 42.9                    | 132.1                      | 64 700*                              | 48.1                    | 137.1                      | 77 000*                              | 52.8                    | 140.6                      | 87 900*                              | 57.1                    | 142.8                      | 80 900*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 39.0                    | 127.3                      | 57 700*                              | 44.6                    | 133.2                      | 69 000*                              | 49.6                    | 137.3                      | 81 200*                              | 54.1                    | 140.0                      | 75 200*                              |                         |                            |                                      | 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                      | 69 900*                              |                         |                            |                                      | 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                      | 65 100*                              | 52.1                    | 135.7                      | 59 200*                              | 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                      | 60 600*                              | 48.8                    | 132.3                      | 55 000*                              | 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                      | 56 600*                              | 45.3                    | 128.5                      | 51 200*                              | 96.0                      |
| 100.0                     |                         |                            |                                      | 20.8                    | 101.3                      | 38 300*                              | 29.5                    | 112.5                      | 46 200*                              | 36.1                    | 119.6                      | 52 800*                              | 41.6                    | 124.2                      | 47 700*                              | 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                      | 44 400*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      | 16.2                    | 93.0                       | 36 200*                              | 26.2                    | 106.1                      | 43 100*                              | 33.2                    | 113.5                      | 41 300*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 19.6                    | 96.3                       | 38 200*                              | 28.2                    | 106.6                      | 38 400*                              | 112.0                     |
| 116.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.2                    | 97.9                       | 35 700*                              | 116.0                     |
| 120.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 13.8                    | 85.1                       | 32 900*                              | 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  
350 170 kg Wheeled Counterweight  
at 18m Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



**73.2m (240 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib**

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                            |                         |                            | c                                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                      |
| 32.0                      | 52.4                    | 105.0                      | 273 400*b                            | 64.3                    | 108.2                      | 283 800*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 48.2                    | 103.2                      | 254 300*                             | 60.7                    | 107.1                      | 266 100*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 43.7                    | 101.2                      | 236 500*                             | 57.0                    | 105.8                      | 250 200*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 38.8                    | 98.8                       | 220 300*                             | 53.1                    | 104.4                      | 236 000*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 33.3                    | 95.8                       | 205 900*                             | 49.0                    | 102.7                      | 223 100*                             | 61.2                    | 105.8                      | 211 000*b                            |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 26.7                    | 92.1                       | 193 400*                             | 44.6                    | 100.7                      | 211 400*                             | 57.5                    | 104.6                      | 200 000*b                            |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 17.8                    | 86.8                       | 183 900*                             | 39.8                    | 98.3                       | 200 700*                             | 53.7                    | 103.1                      | 189 900*b                            |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      |                         |                            |                                      | 34.4                    | 95.5                       | 190 800*                             | 49.6                    | 101.4                      | 180 600*                             |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      |                         |                            |                                      | 28.0                    | 92.0                       | 181 600*                             | 45.2                    | 99.5                       | 172 100*                             | 57.8                    | 102.7                      | 162 300*b                            |                         |                            |                                      | 48.0                      |
| 50.0                      |                         |                            |                                      | 19.8                    | 87.1                       | 172 900*                             | 40.4                    | 97.2                       | 164 200*                             | 53.9                    | 101.2                      | 154 800*b                            |                         |                            |                                      | 50.0                      |
| 52.0                      |                         |                            |                                      |                         |                            |                                      | 35.1                    | 94.5                       | 156 800*                             | 49.8                    | 99.6                       | 148 000*                             |                         |                            |                                      | 52.0                      |
| 54.0                      |                         |                            |                                      |                         |                            |                                      | 29.0                    | 91.1                       | 149 800*                             | 45.5                    | 97.6                       | 141 500*                             |                         |                            |                                      | 54.0                      |
| 56.0                      |                         |                            |                                      |                         |                            |                                      | 21.1                    | 86.5                       | 143 200*                             | 40.7                    | 95.4                       | 135 500*                             |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 35.5                    | 92.7                       | 129 800*                             | 49.7                    | 97.0                       | 122 100*                             | 58.0                      |
| 60.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 29.4                    | 89.3                       | 124 500*                             | 45.3                    | 95.0                       | 117 200*                             | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.6                    | 84.8                       | 119 300*                             | 40.5                    | 92.8                       | 112 500*                             | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 7.8                     | 76.2                       | 113 900*                             | 35.3                    | 90.0                       | 108 100*                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 29.1                    | 86.6                       | 103 800*                             | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.3                    | 82.1                       | 99 600*                              | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 6.5                     | 72.9                       | 95 100*                              | 70.0                      |

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

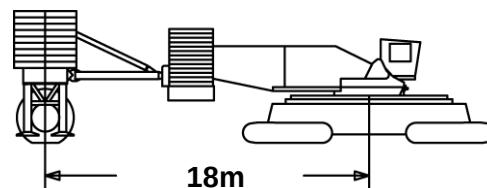
**Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).**

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 281 900*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 55.3                    | 111.1                      | 244 800*                             | 65.3                    | 114.1                      | 264 300*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 51.9                    | 109.6                      | 228 700*                             | 62.3                    | 113.0                      | 248 600*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 48.3                    | 107.8                      | 213 600*                             | 59.1                    | 111.8                      | 234 400*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 44.5                    | 105.8                      | 199 500*                             | 55.9                    | 110.5                      | 221 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 40.4                    | 103.5                      | 186 500*                             | 52.5                    | 109.0                      | 210 000*                             | 62.7                    | 111.7                      | 198 100*b                            |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 36.0                    | 100.9                      | 174 800*                             | 49.0                    | 107.3                      | 199 400*                             | 59.6                    | 110.5                      | 188 000*b                            |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 30.9                    | 97.7                       | 164 300*                             | 45.2                    | 105.3                      | 189 700*                             | 56.3                    | 109.2                      | 178 900*                             |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 24.9                    | 93.7                       | 155 300*                             | 41.2                    | 103.1                      | 180 700*                             | 53.0                    | 107.7                      | 170 400*                             |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 16.8                    | 88.0                       | 148 300*                             | 36.8                    | 100.5                      | 172 400*                             | 49.5                    | 106.0                      | 162 600*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      |                         |                            |                                      | 31.9                    | 97.4                       | 164 700*                             | 45.8                    | 104.1                      | 155 400*                             | 56.5                    | 107.3                      | 146 000*                             |                         |                            |                                      | 52.0                      |
| 54.0                      |                         |                            |                                      | 26.1                    | 93.6                       | 157 400*                             | 41.8                    | 101.9                      | 148 700*                             | 53.2                    | 105.8                      | 139 700*                             |                         |                            |                                      | 54.0                      |
| 56.0                      |                         |                            |                                      | 18.6                    | 88.4                       | 150 500*                             | 37.4                    | 99.4                       | 142 400*                             | 49.7                    | 104.2                      | 133 800*                             |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      |                         |                            |                                      | 32.6                    | 96.4                       | 136 500*                             | 46.0                    | 102.3                      | 128 300*                             |                         |                            |                                      | 58.0                      |
| 60.0                      |                         |                            |                                      |                         |                            |                                      | 27.0                    | 92.7                       | 130 800*                             | 42.0                    | 100.1                      | 123 100*                             | 53.1                    | 103.2                      | 115 200*                             | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      | 19.8                    | 87.8                       | 125 400*                             | 37.7                    | 97.6                       | 118 200*                             | 49.6                    | 101.6                      | 110 600*                             | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      | 6.8                     | 78.3                       | 119 900*                             | 32.9                    | 94.6                       | 113 500*                             | 45.8                    | 99.7                       | 106 400*                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 27.3                    | 91.0                       | 109 100*                             | 41.9                    | 97.5                       | 102 300*                             | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.3                    | 86.1                       | 104 800*                             | 37.5                    | 94.9                       | 98 400*                              | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 8.2                     | 77.4                       | 100 300*                             | 32.7                    | 92.0                       | 94 700*                              | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 27.1                    | 88.3                       | 91 100*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.0                    | 83.4                       | 87 600*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 7.3                     | 74.2                       | 83 800*                              | 76.0                      |

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

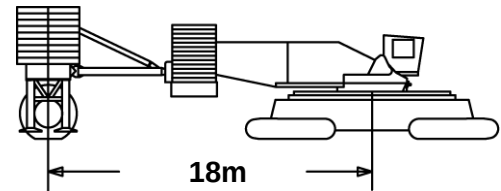
**Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).**

# Liftcrane Luffing Jib Capacities

**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  
350 170 kg Wheeled Counterweight  
at 18m Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



## 73.2m (240 Ft.) Boom, 48.8m (160 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 263 000*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 57.4                    | 117.2                      | 220 400*                             | 66.0                    | 119.9                      | 247 200*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 54.5                    | 115.7                      | 207 000*                             | 63.4                    | 118.9                      | 233 200*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 51.5                    | 114.2                      | 194 200*                             | 60.7                    | 117.7                      | 220 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 48.4                    | 112.4                      | 182 100*                             | 57.9                    | 116.5                      | 208 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 45.1                    | 110.5                      | 170 800*                             | 55.1                    | 115.1                      | 198 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 41.6                    | 108.2                      | 160 300*                             | 52.1                    | 113.6                      | 188 700*                             | 61.1                    | 116.4                      | 177 500*                             |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 37.8                    | 105.7                      | 150 700*                             | 49.0                    | 111.9                      | 179 900*                             | 58.3                    | 115.2                      | 169 100*                             |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 33.7                    | 102.8                      | 142 000*                             | 45.7                    | 109.9                      | 171 600*                             | 55.4                    | 113.9                      | 161 400*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 29.0                    | 99.4                       | 134 300*                             | 42.3                    | 107.8                      | 164 100*                             | 52.5                    | 112.3                      | 154 300*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 23.5                    | 95.1                       | 127 600*                             | 38.6                    | 105.3                      | 157 000*                             | 49.4                    | 110.6                      | 147 600*                             | 58.5                    | 113.3                      | 138 300*                             |                         |                            |                                      | 54.0                      |
| 56.0                      | 16.1                    | 89.2                       | 122 500*                             | 34.5                    | 102.5                      | 150 400*                             | 46.2                    | 108.8                      | 141 400*                             | 55.6                    | 111.9                      | 132 400*                             |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      | 29.9                    | 99.2                       | 144 100*                             | 42.8                    | 106.6                      | 135 600*                             | 52.7                    | 110.4                      | 127 000*                             |                         |                            |                                      | 58.0                      |
| 60.0                      |                         |                            |                                      | 24.6                    | 95.1                       | 138 200*                             | 39.1                    | 104.2                      | 130 200*                             | 49.6                    | 108.8                      | 121 900*                             |                         |                            |                                      | 60.0                      |
| 62.0                      |                         |                            |                                      | 17.7                    | 89.6                       | 132 600*                             | 35.1                    | 101.5                      | 125 000*                             | 46.4                    | 106.9                      | 117 100*                             |                         |                            |                                      | 62.0                      |
| 64.0                      |                         |                            |                                      | 2.6                     | 76.9                       | 126 600*                             | 30.6                    | 98.2                       | 120 100*                             | 43.0                    | 104.8                      | 112 500*                             | 52.6                    | 107.9                      | 105 000*                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      | 25.4                    | 94.3                       | 115 500*                             | 39.3                    | 102.4                      | 108 300*                             | 49.5                    | 106.2                      | 101 000*                             | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      | 18.8                    | 89.0                       | 111 000*                             | 35.3                    | 99.6                       | 104 200*                             | 46.3                    | 104.3                      | 97 200*                              | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      | 7.4                     | 79.5                       | 106 300*                             | 30.9                    | 96.4                       | 100 300*                             | 42.8                    | 102.2                      | 93 600*                              | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 25.7                    | 92.5                       | 96 600*                              | 39.2                    | 99.8                       | 90 200*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 19.2                    | 87.4                       | 93 000*                              | 35.2                    | 97.0                       | 86 900*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 8.6                     | 78.5                       | 89 200*                              | 30.7                    | 93.8                       | 83 800*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 18.9                    | 84.6                       | 77 800*                              | 80.0                      |

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

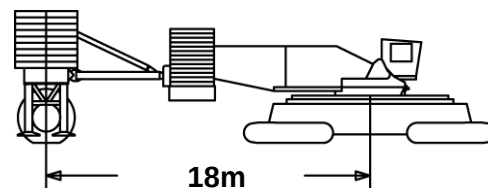
**Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).**

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms |                           |
| 24.4                      |                         |                            | <sup>c</sup>                         |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.4                      |
| 26.0                      | 72.9                    | 128.7                      | 255 100* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.0                      |
| 28.0                      | 70.7                    | 128.0                      | 253 000* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.0                      |
| 30.0                      | 68.4                    | 127.3                      | 244 400* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                      |
| 32.0                      | 66.1                    | 126.4                      | 233 300* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 63.8                    | 125.4                      | 222 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 61.4                    | 124.3                      | 210 600*                             | 68.8                    | 126.5                      | 245 300* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 59.0                    | 123.1                      | 199 100*                             | 66.6                    | 125.6                      | 231 200* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 56.5                    | 121.8                      | 188 000*                             | 64.2                    | 124.7                      | 218 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 53.9                    | 120.4                      | 177 200*                             | 61.9                    | 123.6                      | 207 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 51.2                    | 118.8                      | 166 900*                             | 59.4                    | 122.4                      | 196 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 48.5                    | 117.0                      | 157 100*                             | 57.0                    | 121.2                      | 187 000*                             | 64.5                    | 123.4                      | 175 400*                             |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 45.6                    | 115.1                      | 148 000*                             | 54.4                    | 119.7                      | 178 200*                             | 62.2                    | 122.3                      | 167 100*                             |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 42.5                    | 112.9                      | 139 400*                             | 51.8                    | 118.2                      | 170 000*                             | 59.8                    | 121.2                      | 159 400*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 39.2                    | 110.5                      | 131 500*                             | 49.0                    | 116.5                      | 162 500*                             | 57.3                    | 119.9                      | 152 300*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 35.7                    | 107.8                      | 124 300*                             | 46.1                    | 114.6                      | 155 500*                             | 54.7                    | 118.5                      | 145 700*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 31.9                    | 104.7                      | 117 700*                             | 43.1                    | 112.5                      | 149 000*                             | 52.1                    | 116.9                      | 139 600*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 27.5                    | 101.0                      | 111 800*                             | 39.9                    | 110.1                      | 142 800*                             | 49.4                    | 115.2                      | 133 800*                             | 57.4                    | 118.0                      | 124 900*                             |                         |                            |                                      | 58.0                      |
| 60.0                      | 22.3                    | 96.5                       | 106 800*                             | 36.4                    | 107.5                      | 137 100*                             | 46.5                    | 113.4                      | 128 500*                             | 54.9                    | 116.6                      | 119 800*                             |                         |                            |                                      | 60.0                      |
| 62.0                      | 15.5                    | 90.3                       | 102 900*                             | 32.6                    | 104.4                      | 131 700*                             | 43.5                    | 111.3                      | 123 400*                             | 52.3                    | 115.0                      | 115 100*                             |                         |                            |                                      | 62.0                      |
| 64.0                      |                         |                            |                                      | 28.4                    | 100.9                      | 126 600*                             | 40.3                    | 109.0                      | 118 700*                             | 49.5                    | 113.4                      | 110 600*                             |                         |                            |                                      | 64.0                      |
| 66.0                      |                         |                            |                                      | 23.4                    | 96.6                       | 121 700*                             | 36.9                    | 106.4                      | 114 100*                             | 46.7                    | 111.5                      | 106 400*                             |                         |                            |                                      | 66.0                      |
| 68.0                      |                         |                            |                                      | 17.0                    | 90.8                       | 117 000*                             | 33.1                    | 103.4                      | 109 900*                             | 43.7                    | 109.4                      | 102 500*                             | 52.2                    | 112.5                      | 95 100*                              | 68.0                      |
| 70.0                      |                         |                            |                                      | 4.7                     | 79.2                       | 112 000*                             | 29.0                    | 99.9                       | 105 800*                             | 40.5                    | 107.1                      | 98 700*                              | 49.4                    | 110.8                      | 91 500*                              | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      | 24.1                    | 95.7                       | 101 900*                             | 37.1                    | 104.5                      | 95 100*                              | 46.6                    | 108.9                      | 88 200*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      | 18.0                    | 90.2                       | 98 100*                              | 33.4                    | 101.6                      | 91 700*                              | 43.6                    | 106.8                      | 85 000*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      | 7.8                     | 80.7                       | 94 200*                              | 29.2                    | 98.2                       | 88 400*                              | 40.4                    | 104.5                      | 82 000*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 18.4                    | 88.6                       | 82 100*                              | 33.2                    | 99.0                       | 76 300*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.2                    | 91.3                       | 71 000*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 8.1                     | 76.5                       | 65 600*                              | 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

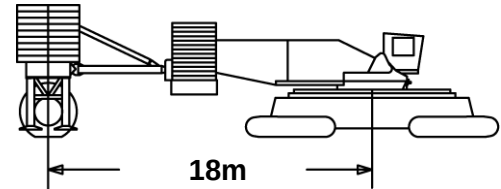
21000

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  
 350 170 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, 61.0m (200 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms |                           |
| 25.9                      | 74.7                    | 135.2                      | 225 100*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 25.9                      |
| 26.0                      | 74.6                    | 135.1                      | 225 100*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.0                      |
| 28.0                      | 72.7                    | 134.5                      | 225 100*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.0                      |
| 30.0                      | 70.7                    | 133.8                      | 224 000*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                      |
| 32.0                      | 68.7                    | 133.0                      | 217 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 66.6                    | 132.2                      | 208 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 64.5                    | 131.2                      | 199 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 62.4                    | 130.2                      | 189 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 60.2                    | 129.0                      | 180 500*                             | 67.0                    | 131.4                      | 217 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 58.0                    | 127.8                      | 171 200*                             | 64.9                    | 130.5                      | 205 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 55.8                    | 126.4                      | 162 100*                             | 62.8                    | 129.5                      | 195 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 53.4                    | 125.0                      | 153 400*                             | 60.7                    | 128.4                      | 185 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 51.0                    | 123.4                      | 145 000*                             | 58.4                    | 127.1                      | 176 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 48.5                    | 121.6                      | 137 000*                             | 56.2                    | 125.8                      | 168 700*                             | 63.1                    | 128.2                      | 157 900*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 45.9                    | 119.7                      | 129 500*                             | 53.9                    | 124.4                      | 161 300*                             | 60.9                    | 127.1                      | 150 800*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 43.2                    | 117.6                      | 122 400*                             | 51.5                    | 122.8                      | 154 300*                             | 58.7                    | 125.9                      | 144 200*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 40.3                    | 115.3                      | 115 900*                             | 49.0                    | 121.1                      | 147 800*                             | 56.5                    | 124.5                      | 138 100*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 37.3                    | 112.7                      | 109 800*                             | 46.4                    | 119.2                      | 141 800*                             | 54.2                    | 123.1                      | 132 400*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 33.9                    | 109.8                      | 104 200*                             | 43.7                    | 117.1                      | 136 100*                             | 51.8                    | 121.5                      | 127 100*                             | 58.9                    | 123.9                      | 118 200*                             |                         |                            |                                      | 60.0                      |
| 62.0                      | 30.3                    | 106.5                      | 99 200*                              | 40.9                    | 114.8                      | 130 700*                             | 49.3                    | 119.8                      | 122 100*                             | 56.6                    | 122.6                      | 113 500*                             |                         |                            |                                      | 62.0                      |
| 64.0                      | 26.2                    | 102.6                      | 94 600*                              | 37.8                    | 112.3                      | 125 700*                             | 46.8                    | 118.0                      | 117 400*                             | 54.3                    | 121.2                      | 109 100*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 21.4                    | 97.9                       | 90 700*                              | 34.6                    | 109.5                      | 121 000*                             | 44.1                    | 115.9                      | 113 000*                             | 51.9                    | 119.6                      | 105 000*                             |                         |                            |                                      | 66.0                      |
| 68.0                      | 15.0                    | 91.5                       | 87 700*                              | 31.0                    | 106.3                      | 116 500*                             | 41.3                    | 113.7                      | 108 800*                             | 49.5                    | 118.0                      | 101 000*                             |                         |                            |                                      | 68.0                      |
| 70.0                      |                         |                            |                                      | 27.0                    | 102.5                      | 112 200*                             | 38.3                    | 111.2                      | 104 800*                             | 46.9                    | 116.1                      | 97 300*                              |                         |                            |                                      | 70.0                      |
| 72.0                      |                         |                            |                                      | 22.4                    | 98.0                       | 108 100*                             | 35.0                    | 108.4                      | 101 000*                             | 44.2                    | 114.1                      | 93 800*                              | 51.9                    | 117.1                      | 86 700*                              | 72.0                      |
| 74.0                      |                         |                            |                                      | 16.4                    | 92.0                       | 104 100*                             | 31.5                    | 105.3                      | 97 400*                              | 41.4                    | 111.8                      | 90 400*                              | 49.4                    | 115.4                      | 83 500*                              | 74.0                      |
| 76.0                      |                         |                            |                                      | 5.7                     | 80.7                       | 99 800*                              | 27.6                    | 101.6                      | 93 900*                              | 38.4                    | 109.4                      | 87 300*                              | 46.8                    | 113.5                      | 80 600*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      | 17.3                    | 91.5                       | 87 400*                              | 31.7                    | 103.5                      | 81 300*                              | 41.3                    | 109.2                      | 75 000*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 23.3                    | 95.5                       | 75 700*                              | 35.1                    | 104.0                      | 69 900*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 8.9                     | 80.7                       | 70 200*                              | 27.7                    | 97.2                       | 65 200*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 17.5                    | 87.1                       | 60 700*                              | 92.0                      |

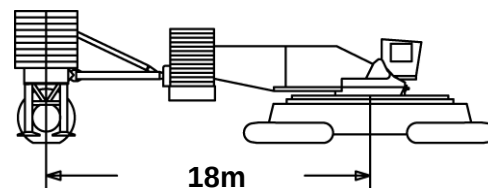
Capacities indicated by (b) require  
 16 780 kg minimum weight suspended  
 beneath luffing jib point.

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 208 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 61.3                    | 134.9                      | 163 700*                             | 67.3                    | 137.2                      | 204 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 59.3                    | 133.7                      | 155 900*                             | 65.5                    | 136.3                      | 193 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 57.2                    | 132.5                      | 148 300*                             | 63.6                    | 135.3                      | 183 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 55.2                    | 131.1                      | 140 900*                             | 61.6                    | 134.2                      | 174 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 53.0                    | 129.6                      | 133 800*                             | 59.6                    | 133.1                      | 166 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 50.8                    | 128.0                      | 126 800*                             | 57.6                    | 131.8                      | 159 400*                             | 63.8                    | 134.0                      | 148 700*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 48.6                    | 126.2                      | 120 300*                             | 55.6                    | 130.4                      | 152 500*                             | 61.9                    | 132.9                      | 142 100*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 46.2                    | 124.3                      | 114 100*                             | 53.4                    | 129.0                      | 146 000*                             | 59.9                    | 131.8                      | 136 100*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 43.8                    | 122.3                      | 108 200*                             | 51.3                    | 127.4                      | 140 000*                             | 57.9                    | 130.5                      | 130 400*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 41.2                    | 120.0                      | 102 800*                             | 49.0                    | 125.7                      | 134 400*                             | 55.8                    | 129.2                      | 125 100*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 38.5                    | 117.5                      | 97 600*                              | 46.7                    | 123.8                      | 129 100*                             | 53.7                    | 127.7                      | 120 200*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 35.6                    | 114.8                      | 92 900*                              | 44.2                    | 121.8                      | 124 200*                             | 51.5                    | 126.1                      | 115 500*                             | 58.0                    | 128.6                      | 107 000*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 32.4                    | 111.7                      | 88 600*                              | 41.7                    | 119.5                      | 119 400*                             | 49.3                    | 124.4                      | 111 100*                             | 56.0                    | 127.3                      | 102 800*                             |                         |                            |                                      | 66.0                      |
| 68.0                      | 29.0                    | 108.2                      | 84 600*                              | 39.0                    | 117.1                      | 115 000*                             | 47.0                    | 122.6                      | 107 000*                             | 53.9                    | 125.8                      | 98 900*                              |                         |                            |                                      | 68.0                      |
| 70.0                      | 25.1                    | 104.2                      | 81 100*                              | 36.1                    | 114.4                      | 110 800*                             | 44.6                    | 120.6                      | 103 000*                             | 51.7                    | 124.2                      | 95 300*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 20.6                    | 99.2                       | 78 000*                              | 33.0                    | 111.4                      | 106 900*                             | 42.0                    | 118.4                      | 99 300*                              | 49.4                    | 122.6                      | 91 800*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 14.6                    | 92.6                       | 75 700*                              | 29.7                    | 108.0                      | 103 000*                             | 39.4                    | 116.0                      | 95 800*                              | 47.1                    | 120.7                      | 88 500*                              | 53.8                    | 123.2                      | 81 400*                              | 74.0                      |
| 76.0                      |                         |                            |                                      | 25.9                    | 104.1                      | 99 400*                              | 36.5                    | 113.4                      | 92 400*                              | 44.7                    | 118.7                      | 85 300*                              | 51.6                    | 121.7                      | 78 400*                              | 76.0                      |
| 80.0                      |                         |                            |                                      | 15.9                    | 93.1                       | 92 500*                              | 30.1                    | 107.1                      | 86 100*                              | 39.5                    | 114.2                      | 79 500*                              | 47.0                    | 118.1                      | 72 900*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      | 22.1                    | 98.6                       | 80 300*                              | 33.7                    | 108.6                      | 74 200*                              | 42.1                    | 113.9                      | 68 000*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      | 8.3                     | 83.0                       | 74 500*                              | 26.7                    | 101.5                      | 69 200*                              | 36.6                    | 108.9                      | 63 400*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 17.1                    | 91.1                       | 64 400*                              | 30.2                    | 102.6                      | 59 200*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.2                    | 94.2                       | 55 100*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 8.6                     | 78.8                       | 51 000*                              | 100.0                     |

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

# Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 42.7m Mast No. 81

224 390 kg Crane Counterweight

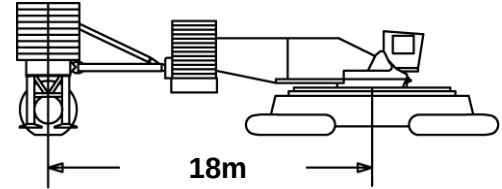
90 720 kg Carbody Counterweight

350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 182 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 58.5                    | 138.4                      | 136 400*                             | 64.2                    | 141.1                      | 173 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 56.6                    | 137.1                      | 130 200*                             | 62.4                    | 140.1                      | 165 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 54.7                    | 135.7                      | 124 200*                             | 60.6                    | 139.0                      | 157 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 52.7                    | 134.2                      | 118 300*                             | 58.8                    | 137.8                      | 150 900*                             | 64.4                    | 139.8                      | 140 400*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 50.7                    | 132.6                      | 112 600*                             | 56.9                    | 136.5                      | 144 400*                             | 62.7                    | 138.8                      | 134 300*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 48.6                    | 130.8                      | 107 200*                             | 55.0                    | 135.1                      | 138 400*                             | 60.9                    | 137.7                      | 128 700*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 46.5                    | 128.9                      | 102 000*                             | 53.1                    | 133.6                      | 132 800*                             | 59.0                    | 136.5                      | 123 400*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 44.2                    | 126.9                      | 97 100*                              | 51.1                    | 132.0                      | 127 600*                             | 57.2                    | 135.2                      | 118 400*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 41.9                    | 124.7                      | 92 500*                              | 49.0                    | 130.3                      | 122 700*                             | 55.3                    | 133.8                      | 113 800*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 39.4                    | 122.3                      | 88 200*                              | 46.9                    | 128.4                      | 118 000*                             | 53.3                    | 132.3                      | 109 400*                             | 59.2                    | 134.6                      | 101 000*                             |                         |                            |                                      | 66.0                      |
| 68.0                      | 36.9                    | 119.7                      | 84 200*                              | 44.6                    | 126.4                      | 113 600*                             | 51.3                    | 130.7                      | 105 300*                             | 57.3                    | 133.3                      | 97 200*                              |                         |                            |                                      | 68.0                      |
| 70.0                      | 34.1                    | 116.8                      | 80 400*                              | 42.3                    | 124.2                      | 109 400*                             | 49.3                    | 129.0                      | 101 400*                             | 55.4                    | 131.9                      | 93 500*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 31.1                    | 113.6                      | 77 000*                              | 39.9                    | 121.9                      | 105 500*                             | 47.1                    | 127.2                      | 97 800*                              | 53.5                    | 130.4                      | 90 000*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 27.9                    | 109.9                      | 73 900*                              | 37.4                    | 119.3                      | 101 700*                             | 44.9                    | 125.2                      | 94 200*                              | 51.5                    | 128.9                      | 86 800*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 24.2                    | 105.7                      | 71 100*                              | 34.6                    | 116.5                      | 98 200*                              | 42.6                    | 123.1                      | 90 900*                              | 49.4                    | 127.2                      | 83 700*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 14.3                    | 93.7                       | 66 900*                              | 28.5                    | 109.7                      | 91 500*                              | 37.7                    | 118.2                      | 84 700*                              | 45.1                    | 123.3                      | 77 900*                              | 51.4                    | 126.3                      | 71 200*                              | 80.0                      |
| 84.0                      |                         |                            |                                      | 20.8                    | 100.7                      | 85 400*                              | 32.1                    | 112.3                      | 79 000*                              | 40.4                    | 118.9                      | 72 600*                              | 47.2                    | 122.7                      | 66 200*                              | 84.0                      |
| 88.0                      |                         |                            |                                      | 6.8                     | 83.3                       | 79 200*                              | 25.4                    | 104.8                      | 73 800*                              | 35.2                    | 113.6                      | 67 800*                              | 42.7                    | 118.6                      | 61 800*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      | 16.3                    | 93.8                       | 68 800*                              | 29.2                    | 107.0                      | 63 300*                              | 37.8                    | 113.7                      | 57 600*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.6                    | 98.3                       | 59 000*                              | 32.2                    | 107.8                      | 53 700*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 9.2                     | 82.9                       | 54 800*                              | 25.5                    | 100.3                      | 50 100*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 16.4                    | 89.5                       | 46 600*                              | 104.0                     |

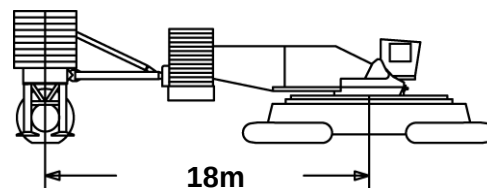
Capacities indicated by (b) require  
16 780 kg minimum weight suspended  
beneath luffing jib point.

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 155 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 56.0                    | 141.8                      | 114 700*                             | 61.5                    | 144.8                      | 149 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 54.2                    | 140.3                      | 109 600*                             | 59.8                    | 143.7                      | 142 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 52.4                    | 138.8                      | 104 800*                             | 58.1                    | 142.4                      | 136 600*                             | 63.3                    | 144.6                      | 126 600*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 50.6                    | 137.2                      | 100 100*                             | 56.3                    | 141.1                      | 131 000*                             | 61.7                    | 143.5                      | 121 300*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 48.6                    | 135.4                      | 95 500*                              | 54.6                    | 139.7                      | 125 800*                             | 60.0                    | 142.4                      | 116 400*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 46.7                    | 133.6                      | 91 200*                              | 52.8                    | 138.2                      | 120 900*                             | 58.3                    | 141.2                      | 111 800*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 44.6                    | 131.5                      | 87 000*                              | 50.9                    | 136.6                      | 116 300*                             | 56.6                    | 139.8                      | 107 500*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 42.5                    | 129.4                      | 83 100*                              | 49.0                    | 134.9                      | 111 900*                             | 54.8                    | 138.4                      | 103 400*                             |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 40.3                    | 127.1                      | 79 500*                              | 47.0                    | 133.0                      | 107 800*                             | 53.0                    | 136.9                      | 99 500*                              | 58.4                    | 139.2                      | 91 400*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 37.9                    | 124.5                      | 76 000*                              | 45.0                    | 131.0                      | 103 800*                             | 51.2                    | 135.3                      | 95 900*                              | 56.7                    | 137.9                      | 88 000*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 35.5                    | 121.8                      | 72 800*                              | 42.9                    | 128.9                      | 100 100*                             | 49.3                    | 133.6                      | 92 400*                              | 54.9                    | 136.5                      | 84 700*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 32.8                    | 118.7                      | 69 800*                              | 40.7                    | 126.6                      | 96 600*                              | 47.3                    | 131.8                      | 89 100*                              | 53.1                    | 135.0                      | 81 600*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 26.9                    | 111.6                      | 64 500*                              | 35.9                    | 121.4                      | 90 100*                              | 43.2                    | 127.7                      | 82 900*                              | 49.4                    | 131.8                      | 75 900*                              |                         |                            |                                      | 80.0                      |
| 84.0                      | 19.3                    | 101.8                      | 60 300*                              | 30.5                    | 115.1                      | 84 100*                              | 38.7                    | 123.0                      | 77 400*                              | 45.4                    | 128.0                      | 70 700*                              | 51.2                    | 130.9                      | 64 100*                              | 84.0                      |
| 88.0                      |                         |                            |                                      | 24.1                    | 107.1                      | 78 500*                              | 33.7                    | 117.4                      | 72 200*                              | 41.1                    | 123.6                      | 65 900*                              | 47.3                    | 127.3                      | 59 700*                              | 88.0                      |
| 92.0                      |                         |                            |                                      | 15.1                    | 95.4                       | 73 300*                              | 27.9                    | 110.5                      | 67 500*                              | 36.4                    | 118.5                      | 61 500*                              | 43.2                    | 123.3                      | 55 600*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      | 20.7                    | 101.3                      | 63 000*                              | 31.1                    | 112.3                      | 57 400*                              | 38.7                    | 118.5                      | 51 800*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      | 8.7                     | 85.2                       | 58 600*                              | 24.8                    | 104.6                      | 53 600*                              | 33.8                    | 112.9                      | 48 300*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 16.2                    | 93.4                       | 49 900*                              | 28.0                    | 106.0                      | 45 000*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.8                    | 96.9                       | 41 800*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 8.9                     | 81.0                       | 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

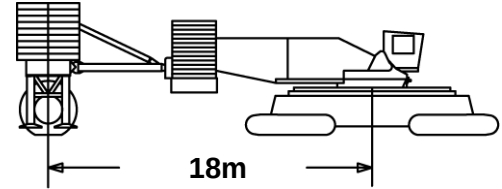
90 720 kg Carbody Counterweight

350 170 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**

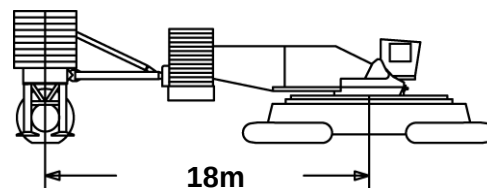
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 140 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 55.5                    | 146.4                      | 101 600*                             | 60.6                    | 149.6                      | 135 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 53.9                    | 145.0                      | 97 400*                              | 59.0                    | 148.4                      | 129 500*                             | 63.9                    | 150.4                      | 119 700*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 52.2                    | 143.4                      | 93 300*                              | 57.5                    | 147.1                      | 124 300*                             | 62.4                    | 149.4                      | 114 800*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 50.4                    | 141.8                      | 89 300*                              | 55.8                    | 145.8                      | 119 400*                             | 60.8                    | 148.3                      | 110 200*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 48.7                    | 140.0                      | 85 500*                              | 54.2                    | 144.3                      | 114 800*                             | 59.3                    | 147.1                      | 105 900*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 46.8                    | 138.2                      | 81 900*                              | 52.5                    | 142.8                      | 110 500*                             | 57.7                    | 145.8                      | 101 800*                             |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 44.9                    | 136.2                      | 78 400*                              | 50.8                    | 141.2                      | 106 400*                             | 56.1                    | 144.5                      | 97 900*                              |                         |                            |                                      |                         |                            |                                      | 70.0                      |
| 72.0                      | 43.0                    | 134.1                      | 75 000*                              | 49.0                    | 139.5                      | 102 500*                             | 54.4                    | 143.1                      | 94 300*                              | 59.4                    | 145.2                      | 86 300*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 40.9                    | 131.8                      | 71 900*                              | 47.2                    | 137.6                      | 98 800*                              | 52.7                    | 141.6                      | 90 900*                              | 57.8                    | 143.9                      | 83 000*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 38.8                    | 129.3                      | 68 900*                              | 45.3                    | 135.7                      | 94 900*                              | 51.0                    | 140.0                      | 87 600*                              | 56.2                    | 142.6                      | 80 000*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 34.2                    | 123.8                      | 63 500*                              | 41.3                    | 131.3                      | 86 500*                              | 47.4                    | 136.4                      | 81 500*                              | 52.8                    | 139.7                      | 74 300*                              |                         |                            |                                      | 80.0                      |
| 84.0                      | 29.0                    | 117.1                      | 58 800*                              | 37.0                    | 126.3                      | 78 800*                              | 43.6                    | 132.4                      | 76 000*                              | 49.3                    | 136.3                      | 69 100*                              | 54.4                    | 138.6                      | 62 400*                              | 84.0                      |
| 88.0                      | 22.7                    | 108.6                      | 54 900*                              | 32.2                    | 120.3                      | 71 700*                              | 39.5                    | 127.8                      | 70 900*                              | 45.7                    | 132.6                      | 64 400*                              | 51.0                    | 135.5                      | 58 000*                              | 88.0                      |
| 92.0                      | 13.8                    | 95.9                       | 52 200*                              | 26.6                    | 113.0                      | 65 200*                              | 35.0                    | 122.4                      | 66 200*                              | 41.7                    | 128.3                      | 60 100*                              | 47.5                    | 131.9                      | 54 000*                              | 92.0                      |
| 96.0                      |                         |                            |                                      | 19.6                    | 103.3                      | 59 400*                              | 29.9                    | 115.9                      | 61 900*                              | 37.4                    | 123.4                      | 56 000*                              | 43.6                    | 127.9                      | 50 300*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      | 23.8                    | 107.8                      | 57 800*                              | 32.7                    | 117.5                      | 52 300*                              | 39.5                    | 123.3                      | 46 800*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      | 15.5                    | 96.2                       | 53 900*                              | 27.2                    | 110.4                      | 48 800*                              | 35.0                    | 117.9                      | 43 600*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.3                    | 101.0                      | 45 500*                              | 29.9                    | 111.5                      | 40 600*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 9.3                     | 85.1                       | 42 100*                              | 23.9                    | 103.4                      | 37 700*                              | 112.0                     |
| 116.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 15.6                    | 91.8                       | 34 800*                              | 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 108 100*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 52.0                    | 148.0                      | 83 300*                              | 56.9                    | 151.8                      | 101 100*                             | 61.5                    | 154.2                      | 103 800*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 50.3                    | 146.4                      | 80 000*                              | 55.4                    | 150.4                      | 96 500*                              | 60.1                    | 153.0                      | 99 800*                              |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 48.7                    | 144.6                      | 76 700*                              | 53.8                    | 149.0                      | 91 800*                              | 58.6                    | 151.8                      | 95 900*                              |                         |                            |                                      |                         |                            |                                      | 70.0                      |
| 72.0                      | 47.0                    | 142.8                      | 72 900*                              | 52.3                    | 147.4                      | 87 500*                              | 57.1                    | 150.5                      | 92 300*                              |                         |                            |                                      |                         |                            |                                      | 72.0                      |
| 74.0                      | 45.2                    | 140.8                      | 69 100*                              | 50.6                    | 145.8                      | 83 200*                              | 55.6                    | 149.1                      | 88 900*                              |                         |                            |                                      |                         |                            |                                      | 74.0                      |
| 76.0                      | 43.4                    | 138.7                      | 65 500*                              | 49.0                    | 144.1                      | 79 000*                              | 54.1                    | 147.7                      | 85 600*                              | 58.7                    | 149.9                      | 77 900*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 39.6                    | 134.1                      | 58 600*                              | 45.5                    | 140.3                      | 71 000*                              | 50.9                    | 144.6                      | 79 600*                              | 55.7                    | 147.2                      | 72 200*                              |                         |                            |                                      | 80.0                      |
| 84.0                      | 35.4                    | 128.7                      | 52 200*                              | 41.9                    | 136.0                      | 63 600*                              | 47.5                    | 141.0                      | 74 100*                              | 52.6                    | 144.3                      | 67 100*                              |                         |                            |                                      | 84.0                      |
| 88.0                      | 30.7                    | 122.4                      | 46 300*                              | 37.9                    | 131.1                      | 56 800*                              | 44.0                    | 137.0                      | 68 400*                              | 49.3                    | 140.9                      | 62 400*                              | 54.1                    | 143.2                      | 55 900*                              | 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                      | 58 100*                              | 50.9                    | 140.1                      | 51 900*                              | 92.0                      |
| 96.0                      | 18.3                    | 104.4                      | 36 300*                              | 28.6                    | 118.6                      | 44 800*                              | 36.1                    | 127.3                      | 54 500*                              | 42.2                    | 133.0                      | 54 200*                              | 47.6                    | 136.5                      | 48 200*                              | 96.0                      |
| 100.0                     |                         |                            |                                      | 22.7                    | 110.0                      | 39 600*                              | 31.5                    | 121.2                      | 48 500*                              | 38.3                    | 128.2                      | 50 500*                              | 44.0                    | 132.6                      | 44 800*                              | 100.0                     |
| 104.0                     |                         |                            |                                      | 14.5                    | 97.7                       | 35 100*                              | 26.2                    | 113.7                      | 43 000*                              | 34.0                    | 122.6                      | 47 000*                              | 40.2                    | 128.0                      | 41 600*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      | 19.6                    | 103.9                      | 38 000*                              | 29.1                    | 115.9                      | 43 800*                              | 36.1                    | 122.8                      | 38 700*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      | 8.9                     | 87.4                       | 34 000*                              | 23.3                    | 107.5                      | 40 700*                              | 31.6                    | 116.7                      | 35 900*                              | 112.0                     |
| 116.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 15.5                    | 95.8                       | 36 300*                              | 26.3                    | 109.3                      | 33 300*                              | 116.0                     |
| 120.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 19.7                    | 99.5                       | 30 700*                              | 120.0                     |
| 124.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 9.1                     | 83.2                       | 28 000*                              | 124.0                     |

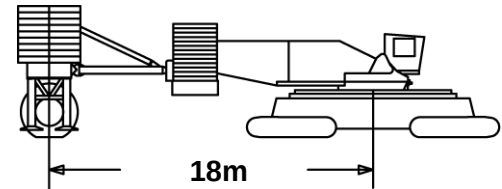
# Liftcrane Luffing Jib Capacities

**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  
 350 170 kg Wheeled Counterweight  
 at 18m Position  
 Narrow or Wide Crawler Arrangement - 360 Degree Rating

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



## 79.2m (260 Ft.) Boom, 36.6m (120 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 49.3                    | 109.8                      | 235 200*b                            | 62.7                    | 113.7                      | 262 800*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 44.9                    | 107.8                      | 219 300*                             | 59.0                    | 112.6                      | 247 000*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 40.2                    | 105.5                      | 204 800*                             | 55.2                    | 111.2                      | 233 000*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 34.8                    | 102.7                      | 191 600*                             | 51.2                    | 109.6                      | 220 300*b                            | 64.1                    | 112.6                      | 206 700*b                            |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 28.6                    | 99.3                       | 180 400*                             | 47.0                    | 107.8                      | 208 700*                             | 60.5                    | 111.5                      | 195 800*b                            |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 20.6                    | 94.6                       | 171 200*                             | 42.4                    | 105.6                      | 198 100*                             | 56.7                    | 110.2                      | 185 900*b                            |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      |                         |                            |                                      | 37.3                    | 103.1                      | 188 400*                             | 52.8                    | 108.7                      | 176 800*b                            |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      |                         |                            |                                      | 31.5                    | 100.0                      | 179 400*                             | 48.7                    | 106.9                      | 168 500*b                            |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      |                         |                            |                                      | 24.5                    | 96.0                       | 170 900*                             | 44.2                    | 104.9                      | 160 800*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      |                         |                            |                                      |                         |                            |                                      | 39.4                    | 102.6                      | 153 600*                             | 54.1                    | 107.0                      | 143 500*b                            |                         |                            |                                      | 52.0                      |
| 54.0                      |                         |                            |                                      |                         |                            |                                      | 33.9                    | 99.7                       | 146 800*                             | 50.0                    | 105.4                      | 137 300*b                            |                         |                            |                                      | 54.0                      |
| 56.0                      |                         |                            |                                      |                         |                            |                                      | 27.5                    | 96.1                       | 140 400*                             | 45.7                    | 103.4                      | 131 500*                             |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      |                         |                            |                                      | 19.0                    | 91.1                       | 134 300*                             | 40.9                    | 101.2                      | 126 000*                             | 54.9                    | 104.6                      | 117 200*b                            | 58.0                      |
| 60.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 35.7                    | 98.5                       | 120 800*                             | 50.9                    | 103.0                      | 112 500*b                            | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 29.6                    | 95.2                       | 115 900*                             | 46.6                    | 101.1                      | 108 000*                             | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.0                    | 90.8                       | 111 100*                             | 42.0                    | 99.0                       | 103 700*                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.8                    | 96.4                       | 99 700*                              | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 31.0                    | 93.2                       | 95 800*                              | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 23.8                    | 89.1                       | 92 000*                              | 70.0                      |

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

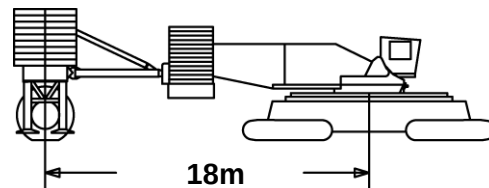
Do not luff into area indicated by (c)  
 with 16 780 kg minimum weight  
 (see CAUTION on page 1).

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 42.7m Mast No. 81  
224 390 kg Crane Counterweight  
90 720 kg Carbody Counterweight  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 260 900*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 52.8                    | 116.1                      | 211 400*                             | 63.9                    | 119.6                      | 245 300*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 49.3                    | 114.4                      | 197 800*                             | 60.8                    | 118.5                      | 231 300*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 45.6                    | 112.4                      | 185 200*                             | 57.6                    | 117.2                      | 218 700*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 41.6                    | 110.2                      | 173 500*                             | 54.3                    | 115.8                      | 207 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 37.2                    | 107.7                      | 162 800*                             | 50.9                    | 114.2                      | 196 800*                             | 62.0                    | 117.4                      | 184 000*b                            |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 32.3                    | 104.6                      | 153 300*                             | 47.3                    | 112.4                      | 187 200*                             | 58.9                    | 116.2                      | 175 000*b                            |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 26.6                    | 100.9                      | 145 000*                             | 43.4                    | 110.3                      | 178 400*                             | 55.6                    | 114.8                      | 166 700*b                            |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 19.3                    | 95.9                       | 138 300*                             | 39.2                    | 107.9                      | 170 100*                             | 52.3                    | 113.3                      | 159 100*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      |                         |                            |                                      | 34.6                    | 105.1                      | 162 500*                             | 48.7                    | 111.5                      | 152 000*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      |                         |                            |                                      | 29.3                    | 101.7                      | 155 400*                             | 45.0                    | 109.6                      | 145 400*                             | 56.7                    | 113.1                      | 135 300*b                            |                         |                            |                                      | 54.0                      |
| 56.0                      |                         |                            |                                      | 22.9                    | 97.4                       | 148 600*                             | 40.9                    | 107.3                      | 139 300*                             | 53.3                    | 111.6                      | 129 600*                             |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      |                         |                            |                                      | 36.5                    | 104.7                      | 133 500*                             | 49.8                    | 110.0                      | 124 200*                             |                         |                            |                                      | 58.0                      |
| 60.0                      |                         |                            |                                      |                         |                            |                                      | 31.5                    | 101.6                      | 128 000*                             | 46.2                    | 108.1                      | 119 200*                             |                         |                            |                                      | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      | 25.6                    | 97.7                       | 122 800*                             | 42.2                    | 105.9                      | 114 500*                             |                         |                            |                                      | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      | 17.9                    | 92.3                       | 117 800*                             | 37.9                    | 103.4                      | 110 000*                             | 50.6                    | 107.6                      | 101 800*                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 33.1                    | 100.5                      | 105 700*                             | 46.9                    | 105.8                      | 97 900*                              | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 27.6                    | 96.9                       | 101 600*                             | 43.0                    | 103.7                      | 94 200*                              | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.6                    | 92.1                       | 97 700*                              | 38.8                    | 101.2                      | 90 700*                              | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.2                    | 98.4                       | 87 300*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.8                    | 94.9                       | 84 000*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.3                    | 90.5                       | 80 800*                              | 76.0                      |

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

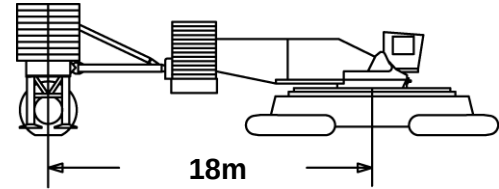
Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).

# Liftcrane Luffing Jib Capacities

**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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms |                           |
| 24.4                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.4                      |
| 26.0                      | 71.3                    | 128.6                      | 260 500* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.0                      |
| 28.0                      | 68.8                    | 127.8                      | 252 400* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.0                      |
| 30.0                      | 66.2                    | 126.9                      | 240 400* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                      |
| 32.0                      | 63.6                    | 125.9                      | 228 100* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 60.9                    | 124.8                      | 215 700* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 58.1                    | 123.6                      | 203 400*                             | 67.4                    | 126.3                      | 244 000* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 55.3                    | 122.2                      | 191 500*                             | 64.8                    | 125.4                      | 229 900* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 52.3                    | 120.7                      | 180 000*                             | 62.1                    | 124.4                      | 217 400* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 49.2                    | 119.0                      | 169 100*                             | 59.4                    | 123.2                      | 206 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 46.0                    | 117.1                      | 158 900*                             | 56.6                    | 121.9                      | 195 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 42.6                    | 114.9                      | 149 300*                             | 53.7                    | 120.4                      | 186 100*                             | 63.2                    | 123.2                      | 173 500* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 38.9                    | 112.5                      | 140 600*                             | 50.7                    | 118.8                      | 177 400*                             | 60.5                    | 122.1                      | 165 300* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 34.8                    | 109.7                      | 132 700*                             | 47.5                    | 117.0                      | 169 300*                             | 57.7                    | 120.8                      | 157 800*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 30.3                    | 106.4                      | 125 500*                             | 44.1                    | 115.0                      | 161 800*                             | 54.8                    | 119.4                      | 150 700*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 25.1                    | 102.4                      | 119 400*                             | 40.6                    | 112.7                      | 154 800*                             | 51.9                    | 117.9                      | 144 300*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 18.4                    | 97.1                       | 114 400*                             | 36.7                    | 110.1                      | 148 300*                             | 48.8                    | 116.1                      | 138 200*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      | 32.4                    | 107.0                      | 142 200*                             | 45.5                    | 114.2                      | 132 500*                             | 55.7                    | 117.7                      | 122 800*                             |                         |                            |                                      | 58.0                      |
| 60.0                      |                         |                            |                                      | 27.6                    | 103.4                      | 136 400*                             | 42.0                    | 112.0                      | 127 200*                             | 52.8                    | 116.2                      | 117 800*                             |                         |                            |                                      | 60.0                      |
| 62.0                      |                         |                            |                                      | 21.6                    | 98.8                       | 130 800*                             | 38.3                    | 109.6                      | 122 100*                             | 49.7                    | 114.6                      | 113 200*                             |                         |                            |                                      | 62.0                      |
| 64.0                      |                         |                            |                                      | 13.2                    | 91.9                       | 125 500*                             | 34.2                    | 106.7                      | 117 400*                             | 46.5                    | 112.7                      | 108 800*                             |                         |                            |                                      | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      | 29.6                    | 103.3                      | 112 900*                             | 43.1                    | 110.6                      | 104 700*                             | 53.4                    | 113.8                      | 96 400*                              | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      | 24.1                    | 99.2                       | 108 600*                             | 39.5                    | 108.2                      | 100 800*                             | 50.4                    | 112.2                      | 92 800*                              | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      | 17.1                    | 93.5                       | 104 400*                             | 35.5                    | 105.5                      | 97 000*                              | 47.2                    | 110.4                      | 89 300*                              | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 31.1                    | 102.3                      | 93 400*                              | 43.8                    | 108.3                      | 86 100*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.0                    | 98.4                       | 90 000*                              | 40.2                    | 106.0                      | 83 000*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 19.6                    | 93.4                       | 86 600*                              | 36.4                    | 103.4                      | 80 000*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 27.1                    | 96.6                       | 74 300*                              | 80.0                      |

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

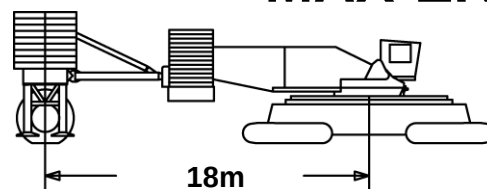
Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms |                           |
| 25.9                      | 73.5                    | 135.0                      | 231 400* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 25.9                      |
| 26.0                      | 73.4                    | 135.0                      | 231 400* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.0                      |
| 28.0                      | 71.2                    | 134.3                      | 230 300* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.0                      |
| 30.0                      | 69.0                    | 133.5                      | 224 100* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                      |
| 32.0                      | 66.7                    | 132.7                      | 214 200* <b>b</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                      | 228 000* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 57.2                    | 128.2                      | 173 600*                             | 65.5                    | 131.2                      | 215 500* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 54.6                    | 126.8                      | 164 000*                             | 63.1                    | 130.2                      | 204 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 52.0                    | 125.3                      | 154 600*                             | 60.7                    | 129.1                      | 193 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 49.2                    | 123.6                      | 145 800*                             | 58.3                    | 127.9                      | 184 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 46.4                    | 121.7                      | 137 400*                             | 55.8                    | 126.5                      | 175 600*                             | 64.1                    | 129.0                      | 163 200*                             |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 43.3                    | 119.6                      | 129 600*                             | 53.2                    | 125.0                      | 167 600*                             | 61.7                    | 128.0                      | 155 700*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 40.1                    | 117.3                      | 122 500*                             | 50.5                    | 123.4                      | 160 100*                             | 59.3                    | 126.8                      | 148 700*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 36.7                    | 114.7                      | 115 800*                             | 47.7                    | 121.6                      | 153 300*                             | 56.8                    | 125.5                      | 142 300*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 32.9                    | 111.7                      | 109 800*                             | 44.7                    | 119.6                      | 146 800*                             | 54.2                    | 124.1                      | 136 200*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 28.7                    | 108.2                      | 104 400*                             | 41.6                    | 117.4                      | 140 800*                             | 51.5                    | 122.5                      | 130 700*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 23.8                    | 103.9                      | 99 700*                              | 38.3                    | 114.9                      | 135 100*                             | 48.8                    | 120.7                      | 125 400*                             | 57.6                    | 123.8                      | 115 700*                             |                         |                            |                                      | 60.0                      |
| 62.0                      | 17.6                    | 98.3                       | 95 900*                              | 34.7                    | 112.1                      | 129 800*                             | 45.9                    | 118.8                      | 120 400*                             | 55.0                    | 122.4                      | 111 100*                             |                         |                            |                                      | 62.0                      |
| 64.0                      | 6.7                     | 88.1                       | 94 100*                              | 30.7                    | 108.8                      | 124 800*                             | 42.8                    | 116.7                      | 115 800*                             | 52.4                    | 120.8                      | 106 800*                             |                         |                            |                                      | 64.0                      |
| 66.0                      |                         |                            |                                      | 26.1                    | 105.0                      | 120 000*                             | 39.6                    | 114.3                      | 111 400*                             | 49.7                    | 119.2                      | 102 700*                             |                         |                            |                                      | 66.0                      |
| 68.0                      |                         |                            |                                      | 20.6                    | 100.1                      | 115 400*                             | 36.1                    | 111.7                      | 107 200*                             | 46.8                    | 117.3                      | 98 900*                              |                         |                            |                                      | 68.0                      |
| 70.0                      |                         |                            |                                      | 12.9                    | 93.0                       | 110 900*                             | 32.3                    | 108.6                      | 103 300*                             | 43.8                    | 115.2                      | 95 200*                              | 52.9                    | 118.4                      | 87 200*                              | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      | 28.0                    | 105.0                      | 99 500*                              | 40.6                    | 113.0                      | 91 700*                              | 50.2                    | 116.8                      | 84 000*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      | 23.0                    | 100.6                      | 95 800*                              | 37.2                    | 110.4                      | 88 400*                              | 47.4                    | 115.0                      | 80 900*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      | 16.4                    | 94.7                       | 92 200*                              | 33.5                    | 107.5                      | 85 300*                              | 44.4                    | 113.0                      | 78 000*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.6                    | 99.9                       | 79 300*                              | 38.0                    | 108.2                      | 72 600*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.3                    | 102.1                      | 67 600*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.1                    | 93.2                       | 62 800*                              | 88.0                      |

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

# Liftcrane Luffing Jib Capacities

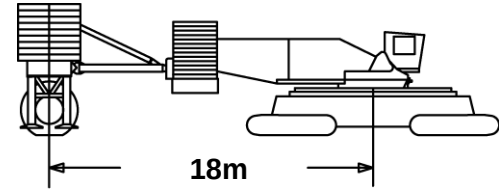
21000

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  
 350 170 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, 61.0m (200 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 214 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 58.6                    | 134.2                      | 158 100*                             | 66.0                    | 137.0                      | 202 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 56.4                    | 132.9                      | 149 900*                             | 63.9                    | 136.0                      | 192 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 54.1                    | 131.4                      | 142 000*                             | 61.8                    | 135.0                      | 182 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 51.7                    | 129.9                      | 134 300*                             | 59.6                    | 133.8                      | 174 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 49.2                    | 128.2                      | 127 100*                             | 57.4                    | 132.5                      | 166 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 46.6                    | 126.3                      | 120 200*                             | 55.1                    | 131.1                      | 158 800*                             | 62.6                    | 133.8                      | 147 100*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 43.9                    | 124.3                      | 113 800*                             | 52.8                    | 129.6                      | 152 000*                             | 60.5                    | 132.7                      | 140 700*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 41.1                    | 122.0                      | 107 800*                             | 50.3                    | 128.0                      | 145 600*                             | 58.3                    | 131.5                      | 134 700*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 38.1                    | 119.5                      | 102 200*                             | 47.8                    | 126.2                      | 139 600*                             | 56.0                    | 130.1                      | 129 200*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 34.9                    | 116.7                      | 97 100*                              | 45.2                    | 124.2                      | 134 000*                             | 53.7                    | 128.7                      | 124 000*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 31.3                    | 113.5                      | 92 400*                              | 42.4                    | 122.1                      | 128 800*                             | 51.3                    | 127.1                      | 119 100*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 27.4                    | 109.8                      | 88 300*                              | 39.5                    | 119.7                      | 123 800*                             | 48.8                    | 125.4                      | 114 500*                             | 56.7                    | 128.4                      | 105 200*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 22.8                    | 105.3                      | 84 600*                              | 36.3                    | 117.0                      | 119 100*                             | 46.2                    | 123.5                      | 110 100*                             | 54.4                    | 127.0                      | 101 100*                             |                         |                            |                                      | 66.0                      |
| 68.0                      | 17.0                    | 99.5                       | 81 800*                              | 33.0                    | 114.0                      | 114 700*                             | 43.5                    | 121.4                      | 106 000*                             | 52.0                    | 125.4                      | 97 300*                              |                         |                            |                                      | 68.0                      |
| 70.0                      | 7.2                     | 89.3                       | 80 300*                              | 29.2                    | 110.6                      | 110 500*                             | 40.6                    | 119.1                      | 102 100*                             | 49.6                    | 123.8                      | 93 800*                              |                         |                            |                                      | 70.0                      |
| 72.0                      |                         |                            |                                      | 24.9                    | 106.5                      | 106 500*                             | 37.6                    | 116.5                      | 98 400*                              | 47.0                    | 121.9                      | 90 300*                              |                         |                            |                                      | 72.0                      |
| 74.0                      |                         |                            |                                      | 19.8                    | 101.4                      | 102 600*                             | 34.3                    | 113.7                      | 94 900*                              | 44.4                    | 119.9                      | 87 100*                              | 52.5                    | 123.0                      | 79 300*                              | 74.0                      |
| 76.0                      |                         |                            |                                      | 12.6                    | 94.1                       | 98 800*                              | 30.7                    | 110.4                      | 91 600*                              | 41.6                    | 117.7                      | 84 000*                              | 50.1                    | 121.4                      | 76 500*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      | 22.0                    | 102.0                      | 85 200*                              | 35.4                    | 112.5                      | 78 200*                              | 44.9                    | 117.6                      | 71 100*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.0                    | 105.7                      | 72 900*                              | 39.2                    | 113.0                      | 66 300*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 18.0                    | 95.9                       | 67 800*                              | 32.6                    | 107.3                      | 61 800*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.5                    | 99.7                       | 57 600*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 11.8                    | 86.7                       | 53 400*                              | 96.0                      |

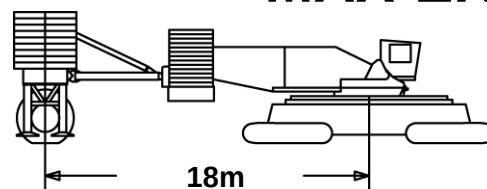
Capacities indicated by (b) require  
 16 780 kg minimum weight suspended  
 beneath luffing jib point.

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 189 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 57.8                    | 138.9                      | 137 000*                             | 64.6                    | 141.8                      | 180 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 55.7                    | 137.5                      | 130 300*                             | 62.7                    | 140.8                      | 172 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 53.6                    | 136.1                      | 123 800*                             | 60.7                    | 139.7                      | 164 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 51.4                    | 134.5                      | 117 500*                             | 58.7                    | 138.5                      | 157 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 49.2                    | 132.8                      | 111 500*                             | 56.7                    | 137.2                      | 150 100*                             | 63.4                    | 139.7                      | 138 600*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 46.8                    | 130.9                      | 105 800*                             | 54.6                    | 135.8                      | 143 800*                             | 61.5                    | 138.6                      | 132 600*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 44.4                    | 128.9                      | 100 500*                             | 52.4                    | 134.2                      | 137 800*                             | 59.5                    | 137.4                      | 127 100*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 41.9                    | 126.7                      | 95 400*                              | 50.2                    | 132.6                      | 132 300*                             | 57.5                    | 136.1                      | 121 900*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 39.2                    | 124.3                      | 90 700*                              | 47.9                    | 130.8                      | 127 100*                             | 55.4                    | 134.8                      | 117 100*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 36.4                    | 121.6                      | 86 400*                              | 45.5                    | 128.9                      | 122 200*                             | 53.3                    | 133.3                      | 112 500*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 33.3                    | 118.7                      | 82 400*                              | 43.0                    | 126.7                      | 117 600*                             | 51.1                    | 131.7                      | 108 200*                             | 58.1                    | 134.4                      | 99 000*                              |                         |                            |                                      | 66.0                      |
| 68.0                      | 30.0                    | 115.3                      | 78 700*                              | 40.4                    | 124.4                      | 113 200*                             | 48.8                    | 130.0                      | 104 200*                             | 56.0                    | 133.1                      | 95 200*                              |                         |                            |                                      | 68.0                      |
| 70.0                      | 26.2                    | 111.4                      | 75 500*                              | 37.7                    | 121.9                      | 109 100*                             | 46.5                    | 128.1                      | 100 300*                             | 53.9                    | 131.6                      | 91 600*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 21.9                    | 106.7                      | 72 600*                              | 34.7                    | 119.1                      | 105 100*                             | 44.0                    | 126.0                      | 96 700*                              | 51.8                    | 130.0                      | 88 200*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 16.4                    | 100.7                      | 70 400*                              | 31.5                    | 115.9                      | 101 400*                             | 41.5                    | 123.8                      | 93 200*                              | 49.5                    | 128.4                      | 85 100*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 7.6                     | 90.5                       | 69 300*                              | 28.0                    | 112.3                      | 97 800*                              | 38.8                    | 121.4                      | 89 900*                              | 47.2                    | 126.5                      | 82 000*                              |                         |                            |                                      | 76.0                      |
| 80.0                      |                         |                            |                                      | 19.1                    | 102.7                      | 91 000*                              | 32.8                    | 115.6                      | 83 700*                              | 42.3                    | 122.4                      | 76 300*                              | 50.0                    | 126.0                      | 69 000*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      | 25.6                    | 108.2                      | 78 100*                              | 36.8                    | 117.4                      | 71 200*                              | 45.3                    | 122.2                      | 64 200*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      | 15.4                    | 97.0                       | 72 700*                              | 30.5                    | 111.2                      | 66 400*                              | 40.2                    | 117.8                      | 59 800*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.6                    | 102.8                      | 61 900*                              | 34.4                    | 112.4                      | 55 800*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 9.6                     | 88.1                       | 57 400*                              | 27.6                    | 105.5                      | 52 000*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 18.6                    | 95.7                       | 48 300*                              | 100.0                     |

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

# Liftcrane Luffing Jib Capacities

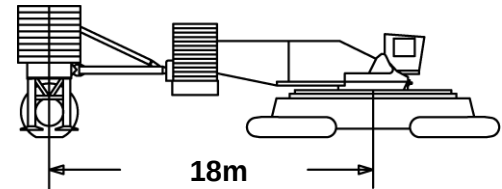
21000

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  
 350 170 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, 73.2m (240 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 168 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 57.1                    | 143.5                      | 120 600*                             | 63.4                    | 146.7                      | 162 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 55.2                    | 142.2                      | 114 900*                             | 61.6                    | 145.6                      | 155 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 53.2                    | 140.7                      | 109 600*                             | 59.8                    | 144.4                      | 148 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 51.2                    | 139.1                      | 104 400*                             | 57.9                    | 143.2                      | 142 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 49.2                    | 137.4                      | 99 400*                              | 56.0                    | 141.8                      | 136 200*                             | 62.3                    | 144.4                      | 125 300*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 47.0                    | 135.5                      | 94 700*                              | 54.1                    | 140.4                      | 130 700*                             | 60.5                    | 143.3                      | 120 100*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 44.8                    | 133.5                      | 90 200*                              | 52.1                    | 138.8                      | 125 500*                             | 58.7                    | 142.1                      | 115 300*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 42.5                    | 131.4                      | 85 900*                              | 50.1                    | 137.2                      | 120 600*                             | 56.8                    | 140.8                      | 110 800*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 40.1                    | 129.0                      | 82 000*                              | 48.0                    | 135.4                      | 116 100*                             | 54.9                    | 139.4                      | 106 500*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 37.6                    | 126.5                      | 78 200*                              | 45.8                    | 133.5                      | 111 700*                             | 52.9                    | 137.9                      | 102 400*                             |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 34.9                    | 123.7                      | 74 800*                              | 43.6                    | 131.4                      | 107 600*                             | 50.9                    | 136.3                      | 98 700*                              | 57.4                    | 139.1                      | 89 800*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 32.0                    | 120.5                      | 71 600*                              | 41.2                    | 129.1                      | 103 800*                             | 48.8                    | 134.6                      | 95 000*                              | 55.5                    | 137.7                      | 86 500*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 28.8                    | 117.0                      | 68 700*                              | 38.7                    | 126.7                      | 100 000*                             | 46.7                    | 132.7                      | 91 600*                              | 53.5                    | 136.2                      | 83 300*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 25.2                    | 113.0                      | 66 100*                              | 36.1                    | 124.0                      | 96 500*                              | 44.5                    | 130.7                      | 88 400*                              | 51.5                    | 134.6                      | 80 300*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 16.0                    | 101.9                      | 62 200*                              | 30.2                    | 117.7                      | 90 000*                              | 39.7                    | 126.1                      | 82 300*                              | 47.4                    | 131.1                      | 74 600*                              | 53.9                    | 133.8                      | 67 200*                              | 80.0                      |
| 84.0                      |                         |                            |                                      | 23.1                    | 109.4                      | 83 900*                              | 34.4                    | 120.7                      | 76 800*                              | 42.9                    | 127.0                      | 69 500*                              | 49.9                    | 130.6                      | 62 400*                              | 84.0                      |
| 88.0                      |                         |                            |                                      | 12.2                    | 96.2                       | 78 200*                              | 28.3                    | 113.9                      | 71 600*                              | 38.0                    | 122.2                      | 64 800*                              | 45.6                    | 126.9                      | 58 100*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      | 20.4                    | 104.7                      | 66 900*                              | 32.4                    | 116.4                      | 60 500*                              | 41.0                    | 122.5                      | 54 100*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      | 5.5                     | 86.1                       | 62 000*                              | 25.8                    | 108.9                      | 56 500*                              | 35.9                    | 117.3                      | 50 400*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 16.9                    | 98.3                       | 52 600*                              | 30.0                    | 110.9                      | 47 000*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.7                    | 102.6                      | 43 700*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 11.5                    | 88.9                       | 40 400*                              | 108.0                     |

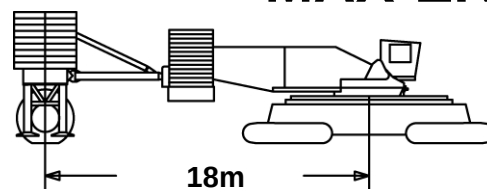
Capacities indicated by (b) require  
 16 780 kg minimum weight suspended  
 beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On  
Boom No. 80 With 42.7m Mast No. 81  
224 390 kg Crane Counterweight  
90 720 kg Carbody Counterweight  
350 170 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

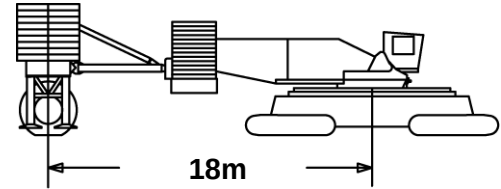
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 150 500*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 56.5                    | 148.2                      | 106 000*                             | 62.3                    | 151.4                      | 146 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 54.7                    | 146.8                      | 101 300*                             | 60.7                    | 150.3                      | 140 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 52.9                    | 145.3                      | 96 800*                              | 59.0                    | 149.1                      | 134 400*                             | 64.6                    | 151.3                      | 123 100*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 51.1                    | 143.7                      | 92 500*                              | 57.3                    | 147.8                      | 128 800*                             | 63.0                    | 150.3                      | 118 000*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 49.1                    | 142.0                      | 88 300*                              | 55.5                    | 146.5                      | 123 700*                             | 61.3                    | 149.2                      | 113 200*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 47.2                    | 140.1                      | 84 300*                              | 53.7                    | 145.0                      | 118 900*                             | 59.7                    | 148.0                      | 108 700*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 45.2                    | 138.2                      | 80 500*                              | 51.9                    | 143.5                      | 114 300*                             | 57.9                    | 146.8                      | 104 500*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 43.1                    | 136.0                      | 76 900*                              | 50.0                    | 141.8                      | 110 000*                             | 56.2                    | 145.4                      | 100 500*                             |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 40.9                    | 133.8                      | 73 500*                              | 48.1                    | 140.0                      | 105 900*                             | 54.4                    | 144.0                      | 96 700*                              |                         |                            |                                      |                         |                            |                                      | 70.0                      |
| 72.0                      | 38.6                    | 131.3                      | 70 400*                              | 46.1                    | 138.1                      | 102 000*                             | 52.6                    | 142.5                      | 93 100*                              | 58.5                    | 145.0                      | 84 300*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 36.1                    | 128.6                      | 67 400*                              | 44.0                    | 136.0                      | 98 400*                              | 50.8                    | 140.9                      | 89 700*                              | 56.8                    | 143.7                      | 81 100*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 33.6                    | 125.6                      | 64 600*                              | 41.9                    | 133.8                      | 94 900*                              | 48.8                    | 139.2                      | 86 500*                              | 55.0                    | 142.3                      | 78 100*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 27.8                    | 118.7                      | 59 800*                              | 37.2                    | 128.9                      | 88 500*                              | 44.8                    | 135.3                      | 80 500*                              | 51.3                    | 139.3                      | 72 600*                              |                         |                            |                                      | 80.0                      |
| 84.0                      | 20.5                    | 109.4                      | 55 900*                              | 32.1                    | 122.9                      | 82 500*                              | 40.5                    | 130.9                      | 75 000*                              | 47.5                    | 135.7                      | 67 500*                              | 53.6                    | 138.4                      | 60 200*                              | 84.0                      |
| 88.0                      | 8.1                     | 92.8                       | 53 900*                              | 25.9                    | 115.5                      | 77 100*                              | 35.7                    | 125.6                      | 70 000*                              | 43.4                    | 131.7                      | 62 900*                              | 49.8                    | 135.2                      | 56 000*                              | 88.0                      |
| 92.0                      |                         |                            |                                      | 17.9                    | 105.2                      | 71 900*                              | 30.3                    | 119.3                      | 65 400*                              | 38.9                    | 127.0                      | 58 700*                              | 45.9                    | 131.5                      | 52 100*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      | 23.8                    | 111.2                      | 61 100*                              | 34.0                    | 121.4                      | 54 800*                              | 41.7                    | 127.2                      | 48 400*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      | 14.7                    | 99.3                       | 56 900*                              | 28.2                    | 114.6                      | 51 000*                              | 37.0                    | 122.2                      | 45 100*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.1                    | 105.6                      | 47 500*                              | 31.8                    | 116.2                      | 41 900*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 9.7                     | 90.3                       | 44 000*                              | 25.6                    | 108.7                      | 38 900*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 17.5                    | 98.2                       | 36 000*                              | 112.0                     |

# Liftcrane Luffing Jib Capacities

**21000  
MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 42.7m Mast No. 81  
224 390 kg Crane Counterweight  
90 720 kg Carbody Counterweight  
350 170 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



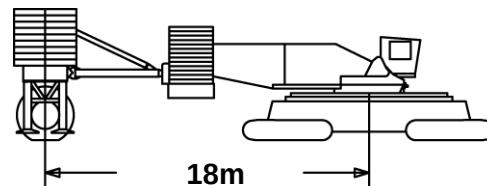
## 79.2m (260 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 132 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 54.3                    | 151.4                      | 89 900*                              | 59.9                    | 155.0                      | 127 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 52.6                    | 149.9                      | 86 100*                              | 58.3                    | 153.8                      | 122 200*                             | 63.6                    | 156.1                      | 111 600*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 50.9                    | 148.3                      | 82 500*                              | 56.7                    | 152.5                      | 117 400*                             | 62.0                    | 155.1                      | 107 100*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 49.1                    | 146.6                      | 79 000*                              | 55.1                    | 151.1                      | 112 800*                             | 60.5                    | 153.9                      | 102 800*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 47.3                    | 144.7                      | 75 500*                              | 53.4                    | 149.6                      | 108 500*                             | 58.9                    | 152.7                      | 98 900*                              |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 45.4                    | 142.8                      | 72 400*                              | 51.7                    | 148.1                      | 104 500*                             | 57.3                    | 151.4                      | 95 100*                              |                         |                            |                                      |                         |                            |                                      | 70.0                      |
| 72.0                      | 43.5                    | 140.7                      | 69 300*                              | 49.9                    | 146.4                      | 100 600*                             | 55.7                    | 150.1                      | 91 500*                              |                         |                            |                                      |                         |                            |                                      | 72.0                      |
| 74.0                      | 41.5                    | 138.5                      | 66 400*                              | 48.1                    | 144.6                      | 97 000*                              | 54.1                    | 148.7                      | 88 100*                              |                         |                            |                                      |                         |                            |                                      | 74.0                      |
| 76.0                      | 39.4                    | 136.1                      | 63 600*                              | 46.3                    | 142.7                      | 93 500*                              | 52.4                    | 147.1                      | 84 900*                              | 57.8                    | 149.7                      | 76 500*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 34.9                    | 130.6                      | 58 700*                              | 42.4                    | 138.5                      | 87 100*                              | 48.9                    | 143.8                      | 79 000*                              | 54.6                    | 147.0                      | 70 900*                              |                         |                            |                                      | 80.0                      |
| 84.0                      | 29.7                    | 124.1                      | 54 300*                              | 38.2                    | 133.7                      | 80 700*                              | 45.1                    | 139.9                      | 73 600*                              | 51.2                    | 143.9                      | 66 000*                              |                         |                            |                                      | 84.0                      |
| 88.0                      | 23.6                    | 115.9                      | 50 800*                              | 33.5                    | 128.0                      | 73 500*                              | 41.2                    | 135.6                      | 68 600*                              | 47.6                    | 140.3                      | 61 400*                              | 53.2                    | 143.0                      | 54 300*                              | 88.0                      |
| 92.0                      | 15.3                    | 104.2                      | 48 200*                              | 28.2                    | 121.1                      | 66 900*                              | 36.8                    | 130.5                      | 64 100*                              | 43.8                    | 136.3                      | 57 200*                              | 49.8                    | 139.8                      | 50 400*                              | 92.0                      |
| 96.0                      |                         |                            |                                      | 21.6                    | 112.2                      | 60 900*                              | 32.0                    | 124.5                      | 59 800*                              | 39.7                    | 131.8                      | 53 300*                              | 46.1                    | 136.1                      | 46 900*                              | 96.0                      |
| 100.0                     |                         |                            |                                      | 11.9                    | 98.4                       | 56 000*                              | 26.4                    | 117.1                      | 55 900*                              | 35.2                    | 126.4                      | 49 700*                              | 42.2                    | 131.9                      | 43 600*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      | 19.2                    | 107.3                      | 52 200*                              | 30.2                    | 120.0                      | 46 300*                              | 38.0                    | 127.0                      | 40 500*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      | 6.5                     | 88.7                       | 48 300*                              | 24.1                    | 112.0                      | 43 100*                              | 33.3                    | 121.3                      | 37 600*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 16.1                    | 100.6                      | 40 000*                              | 27.9                    | 114.4                      | 34 800*                              | 112.0                     |
| 116.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.3                    | 105.3                      | 32 200*                              | 116.0                     |
| 120.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 11.3                    | 91.1                       | 29 500*                              | 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 104 900*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 52.4                    | 154.5                      | 76 800*                              | 57.7                    | 158.5                      | 102 600*                             | 62.6                    | 160.9                      | 100 700*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 50.8                    | 152.9                      | 73 700*                              | 56.2                    | 157.1                      | 98 100*                              | 61.2                    | 159.8                      | 96 800*                              |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 49.1                    | 151.2                      | 70 700*                              | 54.7                    | 155.7                      | 93 700*                              | 59.8                    | 158.6                      | 93 000*                              |                         |                            |                                      |                         |                            |                                      | 70.0                      |
| 72.0                      | 47.4                    | 149.3                      | 67 900*                              | 53.1                    | 154.2                      | 89 300*                              | 58.3                    | 157.4                      | 89 500*                              |                         |                            |                                      |                         |                            |                                      | 72.0                      |
| 74.0                      | 45.7                    | 147.4                      | 65 100*                              | 51.5                    | 152.7                      | 85 000*                              | 56.8                    | 156.1                      | 86 100*                              |                         |                            |                                      |                         |                            |                                      | 74.0                      |
| 76.0                      | 43.9                    | 145.4                      | 62 500*                              | 49.9                    | 151.0                      | 80 900*                              | 55.3                    | 154.7                      | 83 000*                              |                         |                            |                                      |                         |                            |                                      | 76.0                      |
| 80.0                      | 40.1                    | 140.8                      | 57 600*                              | 46.5                    | 147.3                      | 73 000*                              | 52.1                    | 151.7                      | 77 000*                              | 57.3                    | 154.4                      | 68 800*                              |                         |                            |                                      | 80.0                      |
| 84.0                      | 36.0                    | 135.6                      | 53 000*                              | 42.9                    | 143.2                      | 65 400*                              | 48.9                    | 148.4                      | 71 700*                              | 54.2                    | 151.6                      | 63 900*                              |                         |                            |                                      | 84.0                      |
| 88.0                      | 31.4                    | 129.4                      | 47 000*                              | 39.0                    | 138.5                      | 58 500*                              | 45.4                    | 144.6                      | 66 800*                              | 51.0                    | 148.5                      | 59 300*                              |                         |                            |                                      | 88.0                      |
| 92.0                      | 26.0                    | 121.9                      | 41 700*                              | 34.8                    | 133.0                      | 52 200*                              | 41.7                    | 140.3                      | 62 300*                              | 47.7                    | 144.9                      | 55 200*                              | 53.0                    | 147.7                      | 48 200*                              | 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                      | 51 400*                              | 49.7                    | 144.4                      | 44 700*                              | 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                      | 47 800*                              | 46.3                    | 140.7                      | 41 400*                              | 100.0                     |
| 104.0                     |                         |                            |                                      | 17.1                    | 107.6                      | 36 200*                              | 28.4                    | 122.8                      | 45 100*                              | 36.3                    | 131.3                      | 44 500*                              | 42.7                    | 136.6                      | 38 400*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      | 22.4                    | 114.1                      | 39 900*                              | 31.7                    | 125.2                      | 41 400*                              | 38.8                    | 131.8                      | 35 600*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      | 14.1                    | 101.5                      | 35 500*                              | 26.5                    | 117.9                      | 38 500*                              | 34.6                    | 126.3                      | 32 900*                              | 112.0                     |
| 116.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.0                    | 108.3                      | 35 700*                              | 29.8                    | 119.8                      | 30 400*                              | 116.0                     |
| 120.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 9.7                     | 92.5                       | 32 800*                              | 24.1                    | 111.7                      | 28 000*                              | 120.0                     |
| 124.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 16.7                    | 100.6                      | 25 600*                              | 124.0                     |

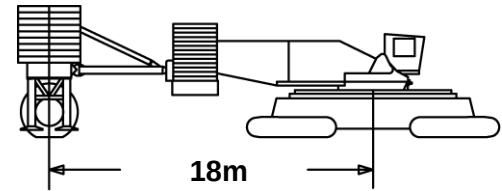
# Liftcrane Luffing Jib Capacities

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  
 350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 244 200*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 41.5                    | 112.2                      | 191 800*                             | 57.2                    | 117.9                      | 230 200*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 36.3                    | 109.6                      | 180 000*                             | 53.4                    | 116.5                      | 217 600*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 30.4                    | 106.4                      | 169 600*                             | 49.2                    | 114.8                      | 206 200*                             |                         |                            | c                                    |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 23.0                    | 102.1                      | 161 000*                             | 44.9                    | 112.8                      | 195 700*                             | 59.7                    | 117.1                      | 182 300*b                            |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      |                         |                            |                                      | 40.1                    | 110.5                      | 186 200*                             | 55.9                    | 115.8                      | 173 400*b                            |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      |                         |                            |                                      | 34.7                    | 107.7                      | 177 200*                             | 52.0                    | 114.2                      | 165 200*b                            |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      |                         |                            |                                      | 28.4                    | 104.2                      | 168 900*                             | 47.8                    | 112.4                      | 157 600*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      |                         |                            |                                      | 20.3                    | 99.5                       | 161 100*                             | 43.2                    | 110.4                      | 150 500*                             | 58.1                    | 114.2                      | 139 400*b                            |                         |                            |                                      | 52.0                      |
| 54.0                      |                         |                            |                                      |                         |                            |                                      | 38.3                    | 107.9                      | 144 000*                             | 54.2                    | 112.8                      | 133 300*b                            |                         |                            |                                      | 54.0                      |
| 56.0                      |                         |                            |                                      |                         |                            |                                      | 32.7                    | 104.9                      | 137 800*                             | 50.2                    | 111.2                      | 127 700*b                            |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      |                         |                            |                                      | 25.9                    | 101.1                      | 131 900*                             | 45.8                    | 109.3                      | 122 400*                             |                         |                            |                                      | 58.0                      |
| 60.0                      |                         |                            |                                      |                         |                            |                                      | 16.6                    | 95.5                       | 126 100*                             | 41.2                    | 107.0                      | 117 400*                             |                         |                            |                                      | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 35.9                    | 104.4                      | 112 700*                             | 52.0                    | 109.0                      | 103 800*b                            | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 29.9                    | 101.1                      | 108 100*                             | 47.8                    | 107.2                      | 99 700*b                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.4                    | 96.7                       | 103 800*                             | 43.3                    | 105.2                      | 95 800*                              | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.4                    | 102.7                      | 92 200*                              | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.8                    | 99.7                       | 88 600*                              | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.1                    | 96.0                       | 85 200*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 16.8                    | 90.4                       | 81 700*                              | 74.0                      |

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

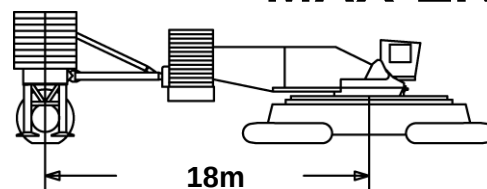
Do not luff into area indicated by (c)  
 with 16 780 kg minimum weight  
 (see CAUTION on page 1).

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 242 300*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 50.2                    | 120.9                      | 184 600*                             | 62.4                    | 125.1                      | 228 400*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 46.6                    | 119.1                      | 173 300*                             | 59.3                    | 123.9                      | 215 900*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 42.7                    | 116.9                      | 162 800*                             | 56.1                    | 122.6                      | 204 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 38.4                    | 114.5                      | 153 100*                             | 52.7                    | 121.1                      | 194 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 33.7                    | 111.6                      | 144 400*                             | 49.2                    | 119.4                      | 184 800*                             | 61.4                    | 123.0                      | 171 400*b                            |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 28.2                    | 108.1                      | 136 800*                             | 45.5                    | 117.4                      | 176 100*                             | 58.2                    | 121.8                      | 163 300*b                            |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 21.5                    | 103.5                      | 130 500*                             | 41.5                    | 115.2                      | 168 000*                             | 54.9                    | 120.4                      | 155 800*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      |                         |                            |                                      | 37.1                    | 112.7                      | 160 500*                             | 51.5                    | 118.8                      | 148 900*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      |                         |                            |                                      | 32.2                    | 109.6                      | 153 500*                             | 47.9                    | 117.0                      | 142 400*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      |                         |                            |                                      | 26.5                    | 105.8                      | 146 900*                             | 44.1                    | 115.0                      | 136 400*                             | 56.8                    | 118.9                      | 125 700*b                            |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      | 19.1                    | 100.8                      | 140 600*                             | 40.0                    | 112.7                      | 130 800*                             | 53.5                    | 117.4                      | 120 400*                             |                         |                            |                                      | 58.0                      |
| 60.0                      |                         |                            |                                      |                         |                            |                                      | 35.5                    | 110.0                      | 125 400*                             | 50.0                    | 115.8                      | 115 600*                             |                         |                            |                                      | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      | 30.3                    | 106.7                      | 120 400*                             | 46.3                    | 113.9                      | 111 000*                             |                         |                            |                                      | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      | 24.2                    | 102.6                      | 115 500*                             | 42.4                    | 111.7                      | 106 700*                             | 55.0                    | 115.2                      | 97 500*b                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      | 15.8                    | 96.7                       | 110 800*                             | 38.1                    | 109.3                      | 102 500*                             | 51.6                    | 113.6                      | 93 800*                              | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 33.3                    | 106.3                      | 98 600*                              | 48.0                    | 111.8                      | 90 200*                              | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 27.8                    | 102.8                      | 94 900*                              | 44.2                    | 109.8                      | 86 800*                              | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.0                    | 98.1                       | 91 200*                              | 40.1                    | 107.5                      | 83 600*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 35.6                    | 104.8                      | 80 500*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.4                    | 101.5                      | 77 500*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 16.0                    | 91.6                       | 71 700*                              | 80.0                      |

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

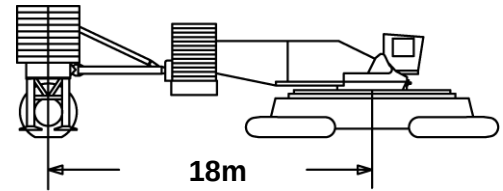
**Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).**

# Liftcrane Luffing Jib Capacities

**21000  
MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 42.7m Mast No. 81  
224 390 kg Crane Counterweight  
90 720 kg Carbody Counterweight  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 240 400*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 56.1                    | 128.7                      | 178 100*                             | 66.2                    | 131.9                      | 227 000*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 53.1                    | 127.2                      | 167 900*                             | 63.5                    | 130.9                      | 214 600*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 50.1                    | 125.5                      | 158 100*                             | 60.8                    | 129.8                      | 203 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 46.9                    | 123.7                      | 148 900*                             | 58.1                    | 128.6                      | 193 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 43.5                    | 121.6                      | 140 300*                             | 55.2                    | 127.2                      | 183 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 39.9                    | 119.3                      | 132 300*                             | 52.3                    | 125.7                      | 175 000*                             | 62.6                    | 128.9                      | 161 800*b                            |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 36.0                    | 116.6                      | 125 100*                             | 49.2                    | 124.0                      | 167 000*                             | 59.9                    | 127.7                      | 154 400*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 31.6                    | 113.4                      | 118 500*                             | 45.9                    | 122.1                      | 159 600*                             | 57.1                    | 126.4                      | 147 500*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 26.6                    | 109.7                      | 112 800*                             | 42.5                    | 119.9                      | 152 800*                             | 54.2                    | 125.0                      | 141 100*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 20.4                    | 104.8                      | 108 100*                             | 38.8                    | 117.5                      | 146 300*                             | 51.2                    | 123.4                      | 135 200*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      | 34.8                    | 114.7                      | 140 300*                             | 48.1                    | 121.6                      | 129 600*                             | 58.7                    | 124.9                      | 118 900*                             |                         |                            |                                      | 58.0                      |
| 60.0                      |                         |                            |                                      | 30.2                    | 111.4                      | 134 600*                             | 44.8                    | 119.7                      | 124 400*                             | 55.9                    | 123.5                      | 114 100*                             |                         |                            |                                      | 60.0                      |
| 62.0                      |                         |                            |                                      | 24.9                    | 107.4                      | 129 200*                             | 41.2                    | 117.4                      | 119 500*                             | 52.9                    | 122.0                      | 109 600*                             |                         |                            |                                      | 62.0                      |
| 64.0                      |                         |                            |                                      | 18.2                    | 102.0                      | 124 000*                             | 37.4                    | 114.9                      | 114 900*                             | 49.9                    | 120.4                      | 105 300*                             |                         |                            |                                      | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      | 33.3                    | 111.9                      | 110 500*                             | 46.7                    | 118.5                      | 101 300*                             |                         |                            |                                      | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      | 28.5                    | 108.4                      | 106 300*                             | 43.3                    | 116.4                      | 97 500*                              |                         |                            |                                      | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      | 22.8                    | 104.0                      | 102 200*                             | 39.6                    | 114.1                      | 93 900*                              | 51.3                    | 118.2                      | 85 400*                              | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      | 15.1                    | 97.8                       | 98 300*                              | 35.7                    | 111.3                      | 90 400*                              | 48.1                    | 116.4                      | 82 200*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 31.3                    | 108.2                      | 87 100*                              | 44.8                    | 114.5                      | 79 300*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.2                    | 104.3                      | 83 900*                              | 41.3                    | 112.2                      | 76 400*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 33.3                    | 106.7                      | 71 100*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 23.0                    | 98.9                       | 66 000*                              | 84.0                      |

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

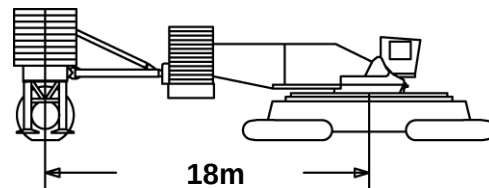
Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms |                           |
| 25.9                      |                         |                            | c                                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 25.9                      |
| 26.0                      |                         |                            | c                                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.0                      |
| 28.0                      | 71.8                    | 140.6                      | 209 000* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.0                      |
| 30.0                      | 69.6                    | 139.8                      | 205 900* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                      |
| 32.0                      | 67.3                    | 139.0                      | 197 300* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 65.0                    | 138.1                      | 188 500* <b>b</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                      | 212 800* <b>b</b>                    |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 55.3                    | 133.3                      | 152 700*                             | 64.4                    | 136.8                      | 201 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 52.7                    | 131.8                      | 144 400*                             | 62.0                    | 135.7                      | 191 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 50.0                    | 130.1                      | 136 400*                             | 59.6                    | 134.5                      | 181 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 47.1                    | 128.3                      | 128 900*                             | 57.1                    | 133.2                      | 173 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 44.2                    | 126.3                      | 121 800*                             | 54.6                    | 131.8                      | 165 300*                             | 63.6                    | 134.7                      | 152 200*                             |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 41.0                    | 124.0                      | 115 200*                             | 51.9                    | 130.3                      | 158 000*                             | 61.2                    | 133.6                      | 145 400*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 37.6                    | 121.5                      | 109 100*                             | 49.2                    | 128.6                      | 151 100*                             | 58.7                    | 132.4                      | 139 100*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 34.0                    | 118.6                      | 103 600*                             | 46.3                    | 126.7                      | 144 800*                             | 56.2                    | 131.1                      | 133 200*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 29.9                    | 115.2                      | 98 600*                              | 43.3                    | 124.6                      | 138 800*                             | 53.6                    | 129.6                      | 127 700*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 25.2                    | 111.2                      | 94 200*                              | 40.1                    | 122.3                      | 133 300*                             | 51.0                    | 128.0                      | 122 500*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 19.4                    | 106.1                      | 90 700*                              | 36.6                    | 119.6                      | 128 000*                             | 48.2                    | 126.3                      | 117 700*                             | 57.7                    | 129.5                      | 107 400*                             |                         |                            |                                      | 62.0                      |
| 64.0                      | 10.9                    | 98.1                       | 88 500*                              | 32.8                    | 116.6                      | 123 000*                             | 45.3                    | 124.3                      | 113 100*                             | 55.1                    | 128.2                      | 103 200*                             |                         |                            |                                      | 64.0                      |
| 66.0                      |                         |                            |                                      | 28.6                    | 113.1                      | 118 300*                             | 42.2                    | 122.1                      | 108 800*                             | 52.5                    | 126.6                      | 99 200*                              |                         |                            |                                      | 66.0                      |
| 68.0                      |                         |                            |                                      | 23.7                    | 108.8                      | 113 800*                             | 38.9                    | 119.7                      | 104 700*                             | 49.8                    | 125.0                      | 95 500*                              |                         |                            |                                      | 68.0                      |
| 70.0                      |                         |                            |                                      | 17.4                    | 103.2                      | 109 500*                             | 35.3                    | 116.9                      | 100 900*                             | 46.9                    | 123.1                      | 91 900*                              |                         |                            |                                      | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      | 31.4                    | 113.8                      | 97 200*                              | 43.9                    | 121.1                      | 88 600*                              | 53.7                    | 124.4                      | 80 000*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      | 27.0                    | 110.1                      | 93 700*                              | 40.8                    | 118.8                      | 85 400*                              | 51.0                    | 122.8                      | 77 100*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      | 21.7                    | 105.4                      | 90 200*                              | 37.4                    | 116.2                      | 82 400*                              | 48.2                    | 121.0                      | 74 300*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 29.6                    | 109.9                      | 76 600*                              | 42.2                    | 116.9                      | 69 100*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 19.0                    | 100.6                      | 71 100*                              | 35.4                    | 111.8                      | 64 300*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 27.1                    | 104.9                      | 59 800*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 14.8                    | 93.8                       | 55 500*                              | 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

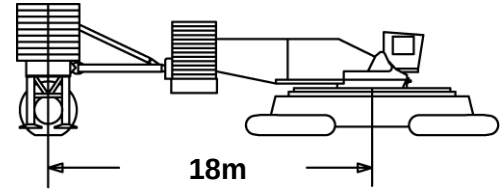
90 720 kg Carbody Counterweight

350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 198 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 57.0                    | 139.3                      | 139 500*                             | 65.0                    | 142.6                      | 189 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 54.7                    | 137.9                      | 132 400*                             | 62.9                    | 141.5                      | 180 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 52.3                    | 136.4                      | 125 500*                             | 60.8                    | 140.4                      | 171 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 49.9                    | 134.7                      | 119 000*                             | 58.6                    | 139.2                      | 163 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 47.3                    | 132.9                      | 112 700*                             | 56.3                    | 137.9                      | 156 600*                             | 64.3                    | 140.5                      | 143 700*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 44.7                    | 130.9                      | 106 800*                             | 54.0                    | 136.4                      | 149 800*                             | 62.2                    | 139.5                      | 137 400*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 41.9                    | 128.7                      | 101 300*                             | 51.6                    | 134.9                      | 143 500*                             | 60.0                    | 138.3                      | 131 600*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 38.9                    | 126.3                      | 96 200*                              | 49.1                    | 133.2                      | 137 600*                             | 57.8                    | 137.1                      | 126 100*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 35.7                    | 123.5                      | 91 500*                              | 46.6                    | 131.3                      | 132 100*                             | 55.5                    | 135.7                      | 121 000*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 32.3                    | 120.5                      | 87 200*                              | 43.9                    | 129.2                      | 126 900*                             | 53.2                    | 134.2                      | 116 200*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 28.5                    | 116.9                      | 83 300*                              | 41.0                    | 127.0                      | 122 000*                             | 50.8                    | 132.6                      | 111 700*                             | 59.1                    | 135.5                      | 101 500*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 24.1                    | 112.7                      | 80 000*                              | 38.0                    | 124.5                      | 117 400*                             | 48.3                    | 130.9                      | 107 500*                             | 56.8                    | 134.2                      | 97 600*                              |                         |                            |                                      | 66.0                      |
| 68.0                      | 18.7                    | 107.3                      | 77 200*                              | 34.8                    | 121.7                      | 113 000*                             | 45.7                    | 128.9                      | 103 400*                             | 54.5                    | 132.8                      | 93 900*                              |                         |                            |                                      | 68.0                      |
| 70.0                      | 10.8                    | 99.2                       | 75 500*                              | 31.2                    | 118.5                      | 108 900*                             | 42.9                    | 126.8                      | 99 700*                              | 52.2                    | 131.2                      | 90 400*                              |                         |                            |                                      | 70.0                      |
| 72.0                      |                         |                            |                                      | 27.3                    | 114.8                      | 104 900*                             | 40.0                    | 124.5                      | 96 000*                              | 49.7                    | 129.6                      | 87 100*                              |                         |                            |                                      | 72.0                      |
| 74.0                      |                         |                            |                                      | 22.7                    | 110.3                      | 100 800*                             | 36.9                    | 121.9                      | 92 600*                              | 47.1                    | 127.7                      | 83 900*                              |                         |                            |                                      | 74.0                      |
| 76.0                      |                         |                            |                                      | 16.8                    | 104.4                      | 96 500*                              | 33.6                    | 118.9                      | 89 300*                              | 44.5                    | 125.7                      | 81 000*                              | 53.2                    | 129.0                      | 72 700*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      | 25.8                    | 111.6                      | 83 100*                              | 38.7                    | 121.1                      | 75 400*                              | 48.3                    | 125.6                      | 67 600*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      | 14.2                    | 100.0                      | 77 300*                              | 32.1                    | 115.2                      | 70 200*                              | 43.0                    | 121.6                      | 62 900*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 23.7                    | 107.3                      | 65 400*                              | 37.0                    | 116.7                      | 58 600*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                    | 110.4                      | 54 600*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.9                    | 101.6                      | 50 800*                              | 96.0                      |

Capacities indicated by (b) require

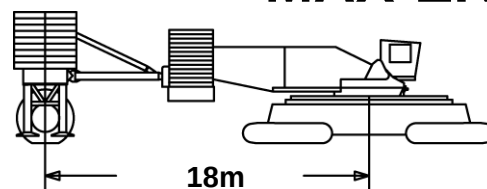
16 780 kg minimum weight suspended

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**  
**350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 176 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 56.3                    | 144.0                      | 121 600*                             | 63.7                    | 147.4                      | 170 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 54.2                    | 142.5                      | 115 600*                             | 61.7                    | 146.3                      | 161 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 52.0                    | 141.0                      | 109 900*                             | 59.8                    | 145.1                      | 154 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 49.8                    | 139.3                      | 104 500*                             | 57.7                    | 143.9                      | 147 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 47.5                    | 137.5                      | 99 300*                              | 55.7                    | 142.5                      | 141 600*                             | 63.0                    | 145.3                      | 129 400*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 45.1                    | 135.5                      | 94 400*                              | 53.6                    | 141.1                      | 135 800*                             | 61.1                    | 144.2                      | 124 000*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 42.6                    | 133.4                      | 89 800*                              | 51.4                    | 139.5                      | 130 300*                             | 59.1                    | 143.0                      | 118 900*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 39.9                    | 131.0                      | 85 500*                              | 49.1                    | 137.8                      | 125 100*                             | 57.0                    | 141.7                      | 114 200*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 37.1                    | 128.4                      | 81 400*                              | 46.8                    | 135.9                      | 120 300*                             | 55.0                    | 140.4                      | 109 700*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 34.1                    | 125.6                      | 77 700*                              | 44.4                    | 133.9                      | 115 800*                             | 52.8                    | 138.8                      | 105 500*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 30.9                    | 122.3                      | 74 300*                              | 41.8                    | 131.7                      | 111 500*                             | 50.6                    | 137.2                      | 101 500*                             | 58.2                    | 140.2                      | 91 700*                              |                         |                            |                                      | 68.0                      |
| 70.0                      | 27.3                    | 118.6                      | 71 300*                              | 39.1                    | 129.3                      | 107 400*                             | 48.3                    | 135.5                      | 97 800*                              | 56.1                    | 138.8                      | 88 200*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 23.1                    | 114.2                      | 68 600*                              | 36.3                    | 126.6                      | 103 500*                             | 46.0                    | 133.5                      | 94 200*                              | 54.0                    | 137.4                      | 84 900*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 18.0                    | 108.6                      | 66 500*                              | 33.2                    | 123.6                      | 99 800*                              | 43.5                    | 131.5                      | 90 800*                              | 51.9                    | 135.8                      | 81 800*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 10.7                    | 100.2                      | 65 200*                              | 29.9                    | 120.3                      | 95 600*                              | 40.9                    | 129.2                      | 87 600*                              | 49.6                    | 134.2                      | 78 900*                              |                         |                            |                                      | 76.0                      |
| 80.0                      |                         |                            |                                      | 21.8                    | 111.7                      | 87 300*                              | 35.3                    | 123.9                      | 81 600*                              | 44.9                    | 130.3                      | 73 400*                              | 52.9                    | 133.6                      | 65 300*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      | 28.6                    | 117.3                      | 76 000*                              | 39.7                    | 125.8                      | 68 400*                              | 48.4                    | 130.2                      | 60 700*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      | 20.1                    | 108.1                      | 70 900*                              | 33.9                    | 120.3                      | 63 800*                              | 43.5                    | 126.3                      | 56 500*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 27.0                    | 113.3                      | 59 400*                              | 38.2                    | 121.5                      | 52 600*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 17.7                    | 103.1                      | 55 300*                              | 32.2                    | 115.6                      | 49 000*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.8                    | 108.0                      | 45 600*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 14.0                    | 96.1                       | 42 200*                              | 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

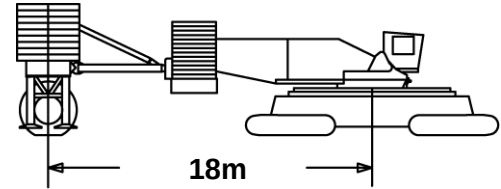
90 720 kg Carbody Counterweight

350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms |                           |
| 30.5                      | 74.5                    | 159.0                      | 148 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.5                      |
| 32.0                      | 73.2                    | 158.5                      | 148 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 71.6                    | 157.8                      | 148 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.0                      |
| 36.0                      | 69.9                    | 157.1                      | 147 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.0                      |
| 38.0                      | 68.2                    | 156.3                      | 143 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 66.5                    | 155.5                      | 138 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 64.8                    | 154.5                      | 133 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 63.0                    | 153.5                      | 127 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 61.3                    | 152.4                      | 122 600*                             | 67.7                    | 155.0                      | 157 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 59.4                    | 151.2                      | 117 400*                             | 66.0                    | 154.2                      | 157 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 57.6                    | 150.0                      | 112 200*                             | 64.3                    | 153.2                      | 157 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 55.7                    | 148.6                      | 107 100*                             | 62.5                    | 152.2                      | 153 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 53.8                    | 147.2                      | 102 200*                             | 60.7                    | 151.0                      | 146 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 51.8                    | 145.6                      | 97 400*                              | 58.9                    | 149.8                      | 140 000*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 49.7                    | 143.9                      | 92 800*                              | 57.0                    | 148.6                      | 134 100*                             | 63.7                    | 151.2                      | 122 100*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 47.6                    | 142.1                      | 88 600*                              | 55.1                    | 147.2                      | 128 700*                             | 61.9                    | 150.1                      | 117 100*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 45.4                    | 140.2                      | 84 400*                              | 53.2                    | 145.7                      | 123 600*                             | 60.1                    | 149.0                      | 112 400*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 43.1                    | 138.0                      | 80 500*                              | 51.2                    | 144.1                      | 118 800*                             | 58.3                    | 147.7                      | 107 900*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 40.8                    | 135.8                      | 76 900*                              | 49.1                    | 142.4                      | 114 200*                             | 56.4                    | 146.4                      | 103 700*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 38.3                    | 133.3                      | 73 400*                              | 47.0                    | 140.5                      | 110 000*                             | 54.5                    | 145.0                      | 99 800*                              |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 35.6                    | 130.5                      | 70 200*                              | 44.8                    | 138.5                      | 105 900*                             | 52.5                    | 143.5                      | 96 100*                              |                         |                            |                                      |                         |                            |                                      | 70.0                      |
| 72.0                      | 32.8                    | 127.5                      | 67 300*                              | 42.5                    | 136.4                      | 102 100*                             | 50.5                    | 141.8                      | 92 500*                              | 57.5                    | 144.8                      | 83 100*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 29.7                    | 124.1                      | 64 600*                              | 40.1                    | 134.0                      | 98 400*                              | 48.4                    | 140.1                      | 89 200*                              | 55.6                    | 143.5                      | 80 000*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 26.2                    | 120.2                      | 62 200*                              | 37.5                    | 131.5                      | 95 000*                              | 46.2                    | 138.2                      | 86 000*                              | 53.6                    | 142.0                      | 77 100*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 17.5                    | 109.8                      | 58 500*                              | 31.9                    | 125.5                      | 87 600*                              | 41.6                    | 133.9                      | 80 100*                              | 49.6                    | 138.8                      | 71 600*                              |                         |                            |                                      | 80.0                      |
| 84.0                      |                         |                            |                                      | 25.2                    | 117.9                      | 80 400*                              | 36.6                    | 128.8                      | 74 700*                              | 45.3                    | 135.0                      | 66 700*                              | 52.5                    | 138.2                      | 58 900*                              | 84.0                      |
| 88.0                      |                         |                            |                                      | 15.9                    | 106.7                      | 74 600*                              | 30.8                    | 122.7                      | 69 700*                              | 40.6                    | 130.6                      | 62 200*                              | 48.4                    | 134.8                      | 54 700*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      | 23.8                    | 114.6                      | 65 000*                              | 35.4                    | 125.3                      | 57 900*                              | 44.0                    | 130.9                      | 50 900*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      | 13.6                    | 102.3                      | 60 500*                              | 29.4                    | 118.8                      | 54 000*                              | 39.2                    | 126.3                      | 47 400*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.0                    | 110.2                      | 50 300*                              | 33.9                    | 120.7                      | 44 100*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 27.6                    | 113.8                      | 41 000*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 19.5                    | 104.2                      | 38 000*                              | 108.0                     |

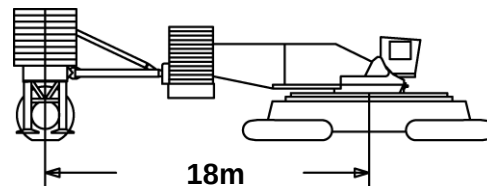
Capacities indicated by (b) require  
16 780 kg minimum weight suspended  
beneath luffing jib point.

# 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**  
**350 170 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

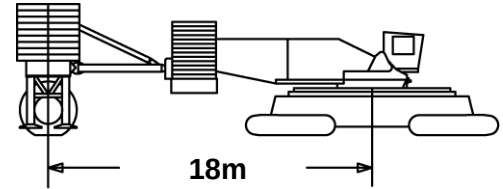
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 132 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 51.6                    | 150.2                      | 86 200*                              | 58.2                    | 154.5                      | 126 800*                             | 64.3                    | 157.0                      | 114 900*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 49.7                    | 148.5                      | 82 400*                              | 56.4                    | 153.2                      | 121 700*                             | 62.6                    | 155.9                      | 110 200*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 47.7                    | 146.7                      | 78 700*                              | 54.7                    | 151.8                      | 116 900*                             | 61.0                    | 154.8                      | 105 800*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 45.7                    | 144.8                      | 75 200*                              | 52.9                    | 150.3                      | 112 400*                             | 59.3                    | 153.7                      | 101 700*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 43.6                    | 142.7                      | 72 000*                              | 51.0                    | 148.7                      | 108 100*                             | 57.6                    | 152.4                      | 97 700*                              |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 41.4                    | 140.5                      | 68 800*                              | 49.1                    | 147.0                      | 104 200*                             | 55.8                    | 151.0                      | 94 000*                              |                         |                            |                                      |                         |                            |                                      | 70.0                      |
| 72.0                      | 39.2                    | 138.0                      | 65 900*                              | 47.1                    | 145.1                      | 100 400*                             | 54.1                    | 149.6                      | 90 500*                              |                         |                            |                                      |                         |                            |                                      | 72.0                      |
| 74.0                      | 36.8                    | 135.4                      | 63 100*                              | 45.1                    | 143.2                      | 96 700*                              | 52.2                    | 148.1                      | 87 200*                              | 58.6                    | 150.8                      | 77 800*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 34.3                    | 132.5                      | 60 600*                              | 43.0                    | 141.0                      | 93 300*                              | 50.4                    | 146.4                      | 84 000*                              | 56.8                    | 149.5                      | 74 900*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 28.6                    | 125.8                      | 56 100*                              | 38.5                    | 136.3                      | 86 900*                              | 46.4                    | 142.8                      | 78 200*                              | 53.3                    | 146.6                      | 69 500*                              |                         |                            |                                      | 80.0                      |
| 84.0                      | 21.6                    | 117.0                      | 52 500*                              | 33.5                    | 130.6                      | 79 900*                              | 42.3                    | 138.6                      | 72 800*                              | 49.5                    | 143.4                      | 64 600*                              |                         |                            |                                      | 84.0                      |
| 88.0                      | 10.6                    | 102.4                      | 50 400*                              | 27.7                    | 123.6                      | 73 600*                              | 37.7                    | 133.7                      | 68 000*                              | 45.6                    | 139.6                      | 60 100*                              | 52.3                    | 142.9                      | 52 500*                              | 88.0                      |
| 92.0                      |                         |                            |                                      | 20.4                    | 114.4                      | 68 200*                              | 32.6                    | 127.8                      | 63 400*                              | 41.3                    | 135.3                      | 56 000*                              | 48.5                    | 139.5                      | 48 800*                              | 92.0                      |
| 96.0                      |                         |                            |                                      | 7.8                     | 97.5                       | 64 400*                              | 26.6                    | 120.6                      | 59 200*                              | 36.6                    | 130.2                      | 52 200*                              | 44.4                    | 135.6                      | 45 300*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      | 18.8                    | 110.6                      | 55 200*                              | 31.4                    | 124.1                      | 48 700*                              | 40.1                    | 131.0                      | 42 100*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 25.1                    | 116.4                      | 45 300*                              | 35.3                    | 125.7                      | 39 100*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 16.7                    | 105.5                      | 42 100*                              | 29.8                    | 119.2                      | 36 200*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 23.1                    | 110.9                      | 33 500*                              | 112.0                     |
| 116.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 13.5                    | 98.3                       | 30 800*                              | 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  
350 170 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, 85.3m (280 Ft.) Luffing Jib

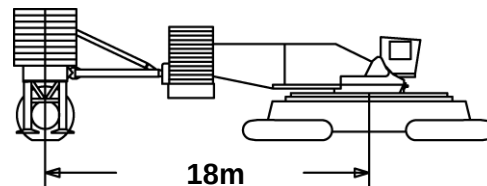
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 104 100*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 49.6                    | 153.1                      | 73 600*                              | 55.9                    | 157.9                      | 111 000*                             | 61.7                    | 160.7                      | 100 000*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 47.8                    | 151.3                      | 70 400*                              | 54.3                    | 156.4                      | 106 700*                             | 60.2                    | 159.6                      | 96 100*                              |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 45.9                    | 149.4                      | 67 500*                              | 52.6                    | 154.9                      | 102 700*                             | 58.6                    | 158.4                      | 92 400*                              |                         |                            |                                      |                         |                            |                                      | 70.0                      |
| 72.0                      | 44.0                    | 147.3                      | 64 600*                              | 50.9                    | 153.3                      | 98 900*                              | 57.0                    | 157.1                      | 88 900*                              |                         |                            |                                      |                         |                            |                                      | 72.0                      |
| 74.0                      | 42.0                    | 145.1                      | 62 000*                              | 49.1                    | 151.6                      | 95 300*                              | 55.4                    | 155.7                      | 85 600*                              |                         |                            |                                      |                         |                            |                                      | 74.0                      |
| 76.0                      | 40.0                    | 142.8                      | 59 400*                              | 47.3                    | 149.7                      | 91 900*                              | 53.7                    | 154.2                      | 82 500*                              |                         |                            |                                      |                         |                            |                                      | 76.0                      |
| 80.0                      | 35.5                    | 137.5                      | 54 800*                              | 43.5                    | 145.7                      | 85 600*                              | 50.3                    | 151.0                      | 76 700*                              | 56.3                    | 154.2                      | 67 800*                              |                         |                            |                                      | 80.0                      |
| 84.0                      | 30.5                    | 131.2                      | 50 800*                              | 39.3                    | 141.0                      | 79 400*                              | 46.6                    | 147.4                      | 71 300*                              | 53.0                    | 151.2                      | 63 000*                              |                         |                            |                                      | 84.0                      |
| 88.0                      | 24.5                    | 123.2                      | 47 500*                              | 34.8                    | 135.6                      | 73 200*                              | 42.8                    | 143.2                      | 66 500*                              | 49.5                    | 148.0                      | 58 600*                              |                         |                            |                                      | 88.0                      |
| 92.0                      | 16.6                    | 112.2                      | 45 100*                              | 29.7                    | 129.1                      | 67 700*                              | 38.6                    | 138.5                      | 62 100*                              | 45.8                    | 144.2                      | 54 500*                              | 52.0                    | 147.5                      | 47 100*                              | 92.0                      |
| 96.0                      |                         |                            |                                      | 23.5                    | 120.9                      | 62 400*                              | 34.0                    | 132.9                      | 57 900*                              | 41.9                    | 140.0                      | 50 700*                              | 48.5                    | 144.1                      | 43 600*                              | 96.0                      |
| 100.0                     |                         |                            |                                      | 15.1                    | 109.0                      | 57 200*                              | 28.7                    | 126.1                      | 54 100*                              | 37.6                    | 135.0                      | 47 200*                              | 44.8                    | 140.2                      | 40 500*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      | 22.3                    | 117.5                      | 50 500*                              | 32.9                    | 129.2                      | 44 000*                              | 40.8                    | 135.8                      | 37 500*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      | 13.1                    | 104.5                      | 46 900*                              | 27.4                    | 122.2                      | 40 900*                              | 36.4                    | 130.6                      | 34 700*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.7                    | 112.9                      | 38 000*                              | 31.5                    | 124.5                      | 32 100*                              | 112.0                     |
| 116.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 25.8                    | 117.0                      | 29 700*                              | 116.0                     |
| 120.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 18.4                    | 106.8                      | 27 300*                              | 120.0                     |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 42.7m Mast No. 81  
224 390 kg Crane Counterweight  
90 720 kg Carbody Counterweight  
350 170 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, 91.4m (300 Ft.) Luffing Jib

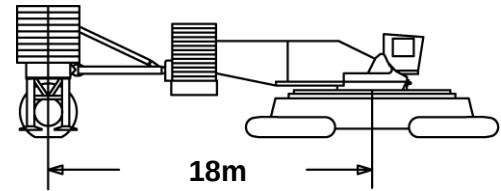
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 97 900*                              |                         |                            |                                      | 66.0                      |
| 68.0                      | 51.2                    | 159.4                      | 68 500*                              | 57.0                    | 163.9                      | 99 300*                              | 62.3                    | 166.6                      | 94 000*                              |                         |                            |                                      | 68.0                      |
| 70.0                      | 49.6                    | 157.7                      | 65 700*                              | 55.5                    | 162.5                      | 95 100*                              | 60.9                    | 165.5                      | 90 300*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 47.9                    | 155.9                      | 63 100*                              | 53.9                    | 161.0                      | 90 900*                              | 59.5                    | 164.3                      | 86 800*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 46.2                    | 154.0                      | 60 600*                              | 52.4                    | 159.5                      | 86 700*                              | 58.0                    | 163.0                      | 83 600*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 44.4                    | 152.0                      | 58 200*                              | 50.7                    | 157.9                      | 82 600*                              | 56.5                    | 161.7                      | 80 500*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 40.6                    | 147.5                      | 53 600*                              | 47.4                    | 154.3                      | 74 700*                              | 53.4                    | 158.8                      | 74 700*                              | 58.8                    | 161.4                      | 65 600*                              | 80.0                      |
| 84.0                      | 36.5                    | 142.4                      | 49 600*                              | 43.8                    | 150.3                      | 67 300*                              | 50.2                    | 155.6                      | 69 400*                              | 55.8                    | 158.8                      | 60 800*                              | 84.0                      |
| 88.0                      | 32.0                    | 136.4                      | 46 100*                              | 40.1                    | 145.8                      | 60 300*                              | 46.8                    | 152.0                      | 64 600*                              | 52.7                    | 155.9                      | 56 500*                              | 88.0                      |
| 92.0                      | 26.8                    | 129.1                      | 42 400*                              | 35.9                    | 140.5                      | 53 800*                              | 43.2                    | 147.9                      | 60 200*                              | 49.5                    | 152.6                      | 52 400*                              | 92.0                      |
| 96.0                      | 20.4                    | 119.6                      | 37 500*                              | 31.3                    | 134.4                      | 47 800*                              | 39.4                    | 143.2                      | 56 200*                              | 46.0                    | 148.8                      | 48 700*                              | 96.0                      |
| 100.0                     | 10.6                    | 104.5                      | 33 400*                              | 26.0                    | 126.9                      | 42 400*                              | 35.2                    | 137.9                      | 52 400*                              | 42.4                    | 144.6                      | 45 300*                              | 100.0                     |
| 104.0                     |                         |                            |                                      | 19.3                    | 117.0                      | 37 500*                              | 30.5                    | 131.5                      | 47 500*                              | 38.5                    | 139.8                      | 42 100*                              | 104.0                     |
| 108.0                     |                         |                            |                                      | 8.2                     | 99.8                       | 33 600*                              | 24.9                    | 123.7                      | 41 900*                              | 34.2                    | 134.3                      | 39 100*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      | 17.9                    | 113.1                      | 37 200*                              | 29.3                    | 127.6                      | 36 300*                              | 112.0                     |
| 116.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 23.6                    | 119.4                      | 33 600*                              | 116.0                     |
| 120.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 15.9                    | 107.8                      | 31 000*                              | 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  
350 170 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, 36.6m (120 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 226 900*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 37.8                    | 116.4                      | 168 000*                             | 55.4                    | 123.3                      | 214 400*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 32.0                    | 113.4                      | 158 500*                             | 51.5                    | 121.7                      | 203 200*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 25.1                    | 109.5                      | 150 400*                             | 47.2                    | 119.9                      | 192 900*                             |                         |                            | c                                    |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      |                         |                            |                                      | 42.7                    | 117.8                      | 183 500*                             | 58.9                    | 122.7                      | 169 200*b                            |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      |                         |                            |                                      | 37.6                    | 115.3                      | 174 700*                             | 55.1                    | 121.3                      | 161 200*b                            |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      |                         |                            |                                      | 31.9                    | 112.2                      | 166 600*                             | 51.1                    | 119.8                      | 153 800*b                            |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      |                         |                            |                                      | 25.0                    | 108.2                      | 158 900*                             | 46.8                    | 117.9                      | 146 900*b                            |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      |                         |                            |                                      | 15.0                    | 102.2                      | 151 500*                             | 42.2                    | 115.8                      | 140 500*                             | 58.2                    | 120.0                      | 128 700*b                            |                         |                            |                                      | 54.0                      |
| 56.0                      |                         |                            |                                      |                         |                            |                                      | 37.2                    | 113.2                      | 134 500*                             | 54.4                    | 118.6                      | 123 200*b                            |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      |                         |                            |                                      | 31.4                    | 110.1                      | 128 800*                             | 50.3                    | 117.0                      | 118 100*b                            |                         |                            |                                      | 58.0                      |
| 60.0                      |                         |                            |                                      |                         |                            |                                      | 24.3                    | 106.0                      | 123 400*                             | 46.0                    | 115.1                      | 113 300*b                            |                         |                            |                                      | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      | 13.8                    | 99.7                       | 118 000*                             | 41.4                    | 112.9                      | 108 700*                             |                         |                            |                                      | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.2                    | 110.2                      | 104 400*                             | 53.2                    | 115.0                      | 94 800*b                             | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.2                    | 107.0                      | 100 200*                             | 49.1                    | 113.3                      | 91 100*b                             | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.8                    | 102.7                      | 96 200*                              | 44.7                    | 111.3                      | 87 700*                              | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 10.8                    | 95.3                       | 92 100*                              | 39.9                    | 109.0                      | 84 300*                              | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 34.5                    | 106.2                      | 81 100*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.2                    | 102.7                      | 78 000*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.0                    | 97.9                       | 74 900*                              | 76.0                      |

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

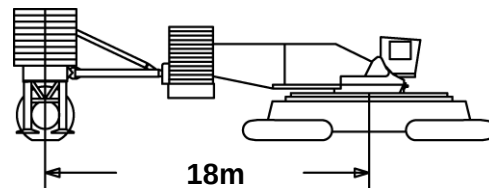
**Do not luff into area indicated by (c)**  
**with 16 780 kg minimum weight**  
(see CAUTION on page 1).

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 225 000*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 38.0                      |
| 40.0                      | 47.6                    | 125.6                      | 161 300*                             | 61.0                    | 130.5                      | 212 700*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 43.7                    | 123.6                      | 151 800*                             | 57.8                    | 129.3                      | 201 500*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 39.6                    | 121.2                      | 143 100*                             | 54.5                    | 127.9                      | 191 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 35.0                    | 118.5                      | 135 100*                             | 51.1                    | 126.3                      | 182 000*                             | 63.8                    | 129.8                      | 167 100*b                            |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 29.8                    | 115.1                      | 128 100*                             | 47.5                    | 124.5                      | 173 400*                             | 60.7                    | 128.6                      | 159 200*b                            |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 23.5                    | 110.9                      | 122 200*                             | 43.6                    | 122.4                      | 165 400*                             | 57.5                    | 127.4                      | 151 900*b                            |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      |                         |                            |                                      | 39.5                    | 120.1                      | 158 000*                             | 54.2                    | 126.0                      | 145 100*b                            |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      |                         |                            |                                      | 34.9                    | 117.3                      | 151 200*                             | 50.8                    | 124.4                      | 138 800*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      |                         |                            |                                      | 29.6                    | 114.0                      | 144 700*                             | 47.2                    | 122.5                      | 132 900*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      | 23.3                    | 109.7                      | 138 500*                             | 43.3                    | 120.4                      | 127 400*                             | 57.0                    | 124.7                      | 116 000*b                            |                         |                            |                                      | 58.0                      |
| 60.0                      |                         |                            |                                      | 14.4                    | 103.3                      | 132 500*                             | 39.1                    | 118.0                      | 122 300*                             | 53.6                    | 123.2                      | 111 300*b                            |                         |                            |                                      | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      | 34.5                    | 115.2                      | 117 400*                             | 50.2                    | 121.6                      | 106 800*                             |                         |                            |                                      | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      | 29.2                    | 111.8                      | 112 700*                             | 46.5                    | 119.7                      | 102 700*                             |                         |                            |                                      | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      | 22.7                    | 107.5                      | 108 200*                             | 42.6                    | 117.6                      | 98 700*                              |                         |                            |                                      | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      | 13.3                    | 100.8                      | 103 700*                             | 38.3                    | 115.1                      | 94 900*                              | 52.6                    | 119.6                      | 85 600*                              | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 33.6                    | 112.2                      | 91 400*                              | 49.1                    | 117.9                      | 82 300*                              | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.1                    | 108.7                      | 87 900*                              | 45.3                    | 116.0                      | 79 300*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.3                    | 104.0                      | 84 500*                              | 41.3                    | 113.7                      | 76 300*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 10.7                    | 96.4                       | 81 000*                              | 36.9                    | 111.1                      | 73 500*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.2                    | 104.3                      | 68 100*                              | 80.0                      |

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

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

# Liftcrane Luffing Jib Capacities

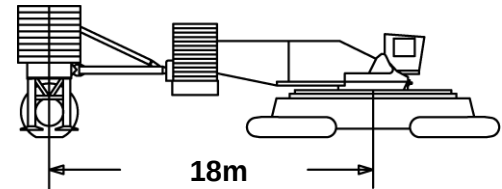
21000

MAX-ER

Luffing Jib No. 81 On  
 Boom No. 80 With 42.7m Mast No. 81  
 224 390 kg Crane Counterweight  
 90 720 kg Carbody Counterweight  
 350 170 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, 48.8m (160 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 211 400*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 50.9                    | 132.0                      | 146 900*                             | 62.3                    | 136.4                      | 200 200*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 47.8                    | 130.3                      | 138 600*                             | 59.6                    | 135.3                      | 190 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 44.4                    | 128.2                      | 130 800*                             | 56.8                    | 134.0                      | 180 800*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 40.9                    | 126.0                      | 123 600*                             | 53.9                    | 132.5                      | 172 300*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 37.0                    | 123.4                      | 116 900*                             | 50.8                    | 130.9                      | 164 400*                             | 62.0                    | 134.5                      | 150 400*b                            |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 32.8                    | 120.4                      | 110 900*                             | 47.7                    | 129.1                      | 157 100*                             | 59.3                    | 133.3                      | 143 700*b                            |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 28.0                    | 116.8                      | 105 600*                             | 44.3                    | 127.1                      | 150 300*                             | 56.5                    | 132.0                      | 137 400*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 22.2                    | 112.3                      | 101 100*                             | 40.8                    | 124.8                      | 144 000*                             | 53.6                    | 130.6                      | 131 600*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      | 36.9                    | 122.2                      | 138 100*                             | 50.6                    | 128.9                      | 126 200*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      |                         |                            |                                      | 32.7                    | 119.2                      | 132 500*                             | 47.4                    | 127.1                      | 121 100*                             | 58.8                    | 130.6                      | 109 700*b                            |                         |                            |                                      | 60.0                      |
| 62.0                      |                         |                            |                                      | 27.9                    | 115.6                      | 127 200*                             | 44.0                    | 125.1                      | 116 300*                             | 56.0                    | 129.3                      | 105 300*                             |                         |                            |                                      | 62.0                      |
| 64.0                      |                         |                            |                                      | 22.0                    | 111.1                      | 122 100*                             | 40.5                    | 122.8                      | 111 800*                             | 53.1                    | 127.8                      | 101 200*                             |                         |                            |                                      | 64.0                      |
| 66.0                      |                         |                            |                                      | 13.9                    | 104.4                      | 117 100*                             | 36.6                    | 120.2                      | 107 600*                             | 50.0                    | 126.2                      | 97 400*                              |                         |                            |                                      | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      | 32.3                    | 117.1                      | 103 500*                             | 46.8                    | 124.3                      | 93 700*                              |                         |                            |                                      | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      | 27.4                    | 113.5                      | 99 600*                              | 43.4                    | 122.2                      | 90 200*                              |                         |                            |                                      | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      | 21.5                    | 108.8                      | 95 800*                              | 39.8                    | 119.9                      | 86 900*                              | 52.1                    | 124.2                      | 77 700*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      | 12.9                    | 101.8                      | 92 000*                              | 35.9                    | 117.2                      | 83 700*                              | 49.1                    | 122.5                      | 74 900*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 31.5                    | 114.1                      | 80 700*                              | 45.8                    | 120.6                      | 72 200*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.2                    | 105.3                      | 74 800*                              | 38.6                    | 116.0                      | 67 100*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                    | 109.9                      | 62 300*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 17.9                    | 100.3                      | 57 800*                              | 88.0                      |

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

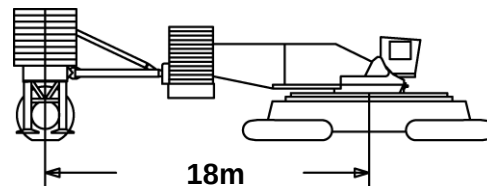
Do not luff into area indicated by (c)  
 with 16 780 kg minimum weight  
 (see CAUTION on page 1).

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 198 800*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 53.4                    | 138.3                      | 134 000*                             | 63.3                    | 142.3                      | 188 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 50.7                    | 136.6                      | 126 800*                             | 60.9                    | 141.2                      | 178 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 47.9                    | 134.9                      | 120 000*                             | 58.4                    | 139.9                      | 170 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 45.0                    | 132.9                      | 113 600*                             | 55.9                    | 138.6                      | 162 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 41.9                    | 130.7                      | 107 600*                             | 53.3                    | 137.1                      | 155 300*                             | 63.1                    | 140.4                      | 141 500*                             |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 38.5                    | 128.2                      | 102 000*                             | 50.6                    | 135.5                      | 148 600*                             | 60.7                    | 139.3                      | 135 300*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 35.0                    | 125.4                      | 96 900*                              | 47.8                    | 133.7                      | 142 400*                             | 58.2                    | 138.0                      | 129 500*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 31.0                    | 122.2                      | 92 300*                              | 44.9                    | 131.7                      | 136 500*                             | 55.7                    | 136.7                      | 124 200*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 26.5                    | 118.4                      | 88 200*                              | 41.8                    | 129.5                      | 131 000*                             | 53.1                    | 135.2                      | 119 100*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 21.1                    | 113.7                      | 84 800*                              | 38.5                    | 127.1                      | 125 800*                             | 50.4                    | 133.5                      | 114 400*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 13.7                    | 106.9                      | 82 500*                              | 34.9                    | 124.3                      | 121 000*                             | 47.6                    | 131.7                      | 110 000*                             | 57.8                    | 135.3                      | 99 000*                              |                         |                            |                                      | 64.0                      |
| 66.0                      |                         |                            |                                      | 30.9                    | 121.0                      | 116 200*                             | 44.6                    | 129.7                      | 105 800*                             | 55.2                    | 133.9                      | 95 100*                              |                         |                            |                                      | 66.0                      |
| 68.0                      |                         |                            |                                      | 26.4                    | 117.2                      | 110 900*                             | 41.5                    | 127.5                      | 101 800*                             | 52.6                    | 132.4                      | 91 500*                              |                         |                            |                                      | 68.0                      |
| 70.0                      |                         |                            |                                      | 21.0                    | 112.4                      | 105 900*                             | 38.2                    | 125.0                      | 98 100*                              | 49.9                    | 130.8                      | 88 100*                              |                         |                            |                                      | 70.0                      |
| 72.0                      |                         |                            |                                      | 13.5                    | 105.5                      | 101 900*                             | 34.6                    | 122.2                      | 94 500*                              | 47.1                    | 128.9                      | 84 900*                              |                         |                            |                                      | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      | 30.6                    | 118.9                      | 91 000*                              | 44.1                    | 126.9                      | 81 800*                              |                         |                            |                                      | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      | 26.0                    | 115.1                      | 87 700*                              | 40.9                    | 124.6                      | 78 800*                              | 51.8                    | 128.8                      | 69 900*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      | 12.6                    | 102.9                      | 81 300*                              | 33.9                    | 119.2                      | 73 300*                              | 46.2                    | 125.2                      | 65 000*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 25.1                    | 111.8                      | 68 200*                              | 39.9                    | 120.8                      | 60 400*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 10.6                    | 98.5                       | 63 100*                              | 32.7                    | 115.1                      | 56 200*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 23.5                    | 107.3                      | 52 200*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 5.3                     | 90.3                       | 48 000*                              | 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

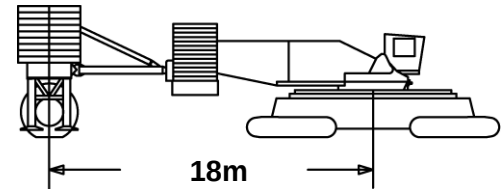
21000

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  
350 170 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, 61.0m (200 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 176 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 52.9                    | 142.9                      | 116 800*                             | 61.9                    | 147.0                      | 169 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 50.5                    | 141.2                      | 110 700*                             | 59.7                    | 145.9                      | 161 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 48.0                    | 139.5                      | 105 100*                             | 57.5                    | 144.6                      | 153 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 45.4                    | 137.5                      | 99 700*                              | 55.2                    | 143.2                      | 147 300*                             | 63.9                    | 146.2                      | 133 600*                             |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 42.6                    | 135.4                      | 94 700*                              | 52.9                    | 141.7                      | 141 100*                             | 61.7                    | 145.1                      | 127 900*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 39.7                    | 133.0                      | 90 000*                              | 50.5                    | 140.1                      | 135 200*                             | 59.6                    | 144.0                      | 122 600*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 36.6                    | 130.4                      | 85 700*                              | 47.9                    | 138.3                      | 129 800*                             | 57.3                    | 142.7                      | 117 600*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 33.2                    | 127.4                      | 81 700*                              | 45.3                    | 136.4                      | 124 700*                             | 55.0                    | 141.3                      | 112 900*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 29.5                    | 124.0                      | 78 100*                              | 42.6                    | 134.2                      | 119 900*                             | 52.7                    | 139.8                      | 108 500*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 25.3                    | 120.0                      | 74 900*                              | 39.6                    | 131.8                      | 115 200*                             | 50.2                    | 138.1                      | 104 400*                             | 59.2                    | 141.3                      | 93 500*                              |                         |                            |                                      | 66.0                      |
| 68.0                      | 20.3                    | 115.0                      | 72 300*                              | 36.5                    | 129.2                      | 109 900*                             | 47.7                    | 136.3                      | 100 500*                             | 56.9                    | 140.0                      | 89 900*                              |                         |                            |                                      | 68.0                      |
| 70.0                      | 13.4                    | 107.9                      | 70 500*                              | 33.2                    | 126.2                      | 104 600*                             | 45.1                    | 134.4                      | 96 800*                              | 54.6                    | 138.6                      | 86 500*                              |                         |                            |                                      | 70.0                      |
| 72.0                      |                         |                            |                                      | 29.4                    | 122.8                      | 99 700*                              | 42.3                    | 132.2                      | 93 200*                              | 52.3                    | 137.0                      | 83 300*                              |                         |                            |                                      | 72.0                      |
| 74.0                      |                         |                            |                                      | 25.2                    | 118.8                      | 95 300*                              | 39.4                    | 129.8                      | 89 900*                              | 49.8                    | 135.4                      | 80 300*                              |                         |                            |                                      | 74.0                      |
| 76.0                      |                         |                            |                                      | 20.1                    | 113.7                      | 91 300*                              | 36.2                    | 127.2                      | 86 700*                              | 47.3                    | 133.5                      | 77 400*                              |                         |                            |                                      | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      | 29.1                    | 120.7                      | 80 700*                              | 41.8                    | 129.3                      | 72 000*                              | 51.5                    | 133.4                      | 63 300*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      | 19.6                    | 111.4                      | 75 100*                              | 35.7                    | 124.2                      | 67 000*                              | 46.5                    | 129.8                      | 58 900*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.4                    | 117.5                      | 62 500*                              | 40.9                    | 125.5                      | 54 800*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 18.5                    | 107.9                      | 58 100*                              | 34.6                    | 120.1                      | 51 000*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 27.1                    | 113.2                      | 47 500*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 16.5                    | 102.7                      | 43 900*                              | 100.0                     |

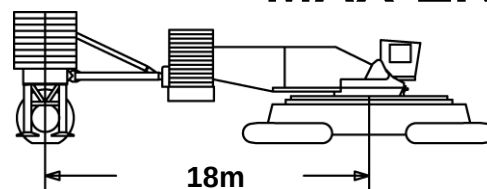
Capacities indicated by (b) require  
16 780 kg minimum weight suspended  
beneath luffing jib point.

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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms |                           |
| 29.0                      | 74.9                    | 159.3                      | 151 000* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 29.0                      |
| 30.0                      | 73.9                    | 159.0                      | 151 000* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                      |
| 32.0                      | 72.1                    | 158.3                      | 151 000* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 32.0                      |
| 34.0                      | 70.3                    | 157.6                      | 150 300* <sup>b</sup>                |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 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                      | 145 400*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 48.1                    | 144.1                      | 92 300*                              | 56.8                    | 149.3                      | 139 200*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 45.7                    | 142.1                      | 87 800*                              | 54.7                    | 147.9                      | 133 400*                             | 62.6                    | 151.0                      | 120 400*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 43.2                    | 140.0                      | 83 600*                              | 52.5                    | 146.3                      | 128 000*                             | 60.6                    | 149.9                      | 115 400*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 40.6                    | 137.7                      | 79 700*                              | 50.3                    | 144.7                      | 122 900*                             | 58.6                    | 148.7                      | 110 800*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 37.9                    | 135.2                      | 75 900*                              | 48.0                    | 142.9                      | 118 200*                             | 56.6                    | 147.4                      | 106 400*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 35.0                    | 132.4                      | 72 500*                              | 45.7                    | 141.0                      | 113 600*                             | 54.5                    | 145.9                      | 102 300*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 31.8                    | 129.3                      | 69 400*                              | 43.2                    | 138.9                      | 108 500*                             | 52.4                    | 144.4                      | 98 400*                              |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 28.3                    | 125.7                      | 66 600*                              | 40.6                    | 136.6                      | 103 500*                             | 50.1                    | 142.7                      | 94 800*                              | 58.3                    | 146.0                      | 84 300*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 24.3                    | 121.5                      | 64 100*                              | 37.8                    | 134.0                      | 98 700*                              | 47.8                    | 141.0                      | 91 300*                              | 56.2                    | 144.6                      | 81 100*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 19.5                    | 116.3                      | 62 000*                              | 34.9                    | 131.2                      | 94 200*                              | 45.5                    | 139.0                      | 88 000*                              | 54.1                    | 143.2                      | 78 100*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 13.1                    | 109.0                      | 60 600*                              | 31.7                    | 128.1                      | 90 000*                              | 43.0                    | 136.9                      | 84 900*                              | 52.0                    | 141.6                      | 75 200*                              |                         |                            |                                      | 76.0                      |
| 80.0                      |                         |                            |                                      | 24.2                    | 120.3                      | 82 400*                              | 37.6                    | 132.0                      | 79 000*                              | 47.4                    | 138.1                      | 69 900*                              |                         |                            |                                      | 80.0                      |
| 84.0                      |                         |                            |                                      | 12.9                    | 107.7                      | 76 600*                              | 31.4                    | 126.0                      | 73 700*                              | 42.5                    | 134.0                      | 65 100*                              | 51.3                    | 138.0                      | 56 600*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      | 23.8                    | 118.1                      | 68 600*                              | 37.1                    | 129.1                      | 60 600*                              | 46.7                    | 134.4                      | 52 600*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      | 12.2                    | 105.1                      | 63 800*                              | 30.8                    | 122.9                      | 56 500*                              | 41.7                    | 130.2                      | 48 900*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 23.0                    | 114.7                      | 52 600*                              | 36.2                    | 125.1                      | 45 500*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 10.5                    | 100.7                      | 48 700*                              | 29.7                    | 118.7                      | 42 300*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.6                    | 110.1                      | 39 200*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 6.6                     | 93.0                       | 35 900*                              | 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

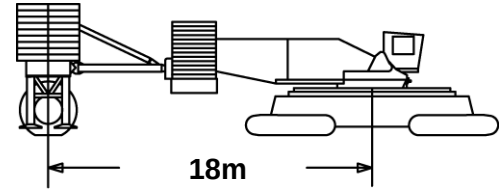
90 720 kg Carbody Counterweight

350 170 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, 73.2m (240 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 113 600*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 46.0                    | 146.8                      | 78 400*                              | 54.2                    | 152.5                      | 121 000*                             | 61.5                    | 155.8                      | 108 900*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 43.8                    | 144.7                      | 74 800*                              | 52.3                    | 150.9                      | 116 400*                             | 59.7                    | 154.6                      | 104 600*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 41.4                    | 142.5                      | 71 500*                              | 50.2                    | 149.3                      | 111 700*                             | 57.9                    | 153.3                      | 100 500*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 38.9                    | 140.0                      | 68 300*                              | 48.1                    | 147.5                      | 107 100*                             | 56.0                    | 152.0                      | 96 700*                              |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 36.3                    | 137.3                      | 65 400*                              | 46.0                    | 145.6                      | 102 600*                             | 54.1                    | 150.6                      | 93 000*                              |                         |                            |                                      |                         |                            |                                      | 70.0                      |
| 72.0                      | 33.5                    | 134.4                      | 62 700*                              | 43.7                    | 143.5                      | 98 200*                              | 52.1                    | 149.0                      | 89 600*                              | 59.4                    | 151.9                      | 79 200*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 30.5                    | 131.1                      | 60 200*                              | 41.3                    | 141.3                      | 94 000*                              | 50.0                    | 147.3                      | 86 300*                              | 57.5                    | 150.6                      | 76 200*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 27.2                    | 127.3                      | 58 000*                              | 38.9                    | 138.8                      | 89 900*                              | 47.9                    | 145.6                      | 83 200*                              | 55.6                    | 149.3                      | 73 400*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 18.9                    | 117.6                      | 54 400*                              | 33.5                    | 133.2                      | 82 300*                              | 43.5                    | 141.5                      | 77 400*                              | 51.7                    | 146.2                      | 68 100*                              |                         |                            |                                      | 80.0                      |
| 84.0                      |                         |                            |                                      | 27.1                    | 126.1                      | 75 700*                              | 38.7                    | 136.8                      | 72 200*                              | 47.6                    | 142.7                      | 63 400*                              |                         |                            |                                      | 84.0                      |
| 88.0                      |                         |                            |                                      | 18.8                    | 116.3                      | 70 100*                              | 33.2                    | 131.1                      | 67 300*                              | 43.1                    | 138.7                      | 59 000*                              | 51.1                    | 142.6                      | 50 800*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      | 26.8                    | 124.0                      | 62 800*                              | 38.2                    | 133.9                      | 55 000*                              | 46.9                    | 139.0                      | 47 200*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      | 18.3                    | 114.0                      | 58 500*                              | 32.7                    | 128.1                      | 51 200*                              | 42.4                    | 134.9                      | 43 800*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.1                    | 120.8                      | 47 700*                              | 37.4                    | 130.0                      | 40 700*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 17.4                    | 110.3                      | 44 300*                              | 31.8                    | 124.0                      | 37 700*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 25.0                    | 116.3                      | 34 900*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 15.6                    | 105.0                      | 32 200*                              | 112.0                     |

Capacities indicated by (b) require

16 780 kg minimum weight suspended

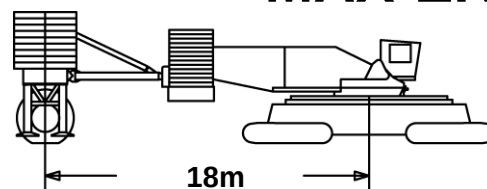
beneath luffing jib point.

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 106 800*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 48.2                    | 153.3                      | 72 900*                              | 55.6                    | 158.6                      | 111 900*                             | 62.3                    | 161.6                      | 102 400*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 46.2                    | 151.4                      | 69 700*                              | 53.8                    | 157.1                      | 108 000*                             | 60.6                    | 160.5                      | 98 400*                              |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 44.2                    | 149.3                      | 66 700*                              | 52.0                    | 155.6                      | 104 000*                             | 58.9                    | 159.3                      | 94 600*                              |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 42.0                    | 147.1                      | 63 800*                              | 50.1                    | 153.9                      | 100 100*                             | 57.2                    | 158.0                      | 90 900*                              |                         |                            |                                      |                         |                            |                                      | 70.0                      |
| 72.0                      | 39.8                    | 144.8                      | 61 100*                              | 48.2                    | 152.1                      | 96 200*                              | 55.5                    | 156.6                      | 87 500*                              |                         |                            |                                      |                         |                            |                                      | 72.0                      |
| 74.0                      | 37.4                    | 142.2                      | 58 600*                              | 46.2                    | 150.2                      | 92 300*                              | 53.7                    | 155.2                      | 84 300*                              |                         |                            |                                      |                         |                            |                                      | 74.0                      |
| 76.0                      | 34.9                    | 139.4                      | 56 200*                              | 44.1                    | 148.2                      | 88 500*                              | 51.8                    | 153.6                      | 81 200*                              | 58.6                    | 156.6                      | 71 100*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 29.4                    | 132.9                      | 52 100*                              | 39.7                    | 143.6                      | 81 400*                              | 48.0                    | 150.2                      | 75 500*                              | 55.1                    | 153.9                      | 66 000*                              |                         |                            |                                      | 80.0                      |
| 84.0                      | 22.6                    | 124.4                      | 48 700*                              | 34.9                    | 138.2                      | 74 900*                              | 43.9                    | 146.2                      | 70 300*                              | 51.5                    | 150.8                      | 61 300*                              |                         |                            |                                      | 84.0                      |
| 88.0                      | 12.7                    | 111.2                      | 46 700*                              | 29.3                    | 131.7                      | 69 000*                              | 39.5                    | 141.6                      | 65 500*                              | 47.7                    | 147.4                      | 56 900*                              |                         |                            |                                      | 88.0                      |
| 92.0                      |                         |                            |                                      | 22.5                    | 123.2                      | 64 000*                              | 34.7                    | 136.2                      | 61 100*                              | 43.6                    | 143.3                      | 53 000*                              | 50.9                    | 147.2                      | 44 900*                              | 92.0                      |
| 96.0                      |                         |                            |                                      | 12.5                    | 109.9                      | 60 200*                              | 29.1                    | 129.5                      | 57 000*                              | 39.1                    | 138.7                      | 49 300*                              | 47.1                    | 143.7                      | 41 600*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      | 22.2                    | 120.9                      | 53 200*                              | 34.2                    | 133.1                      | 45 900*                              | 42.9                    | 139.5                      | 38 600*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      | 11.9                    | 107.2                      | 49 400*                              | 28.5                    | 126.4                      | 42 700*                              | 38.4                    | 134.8                      | 35 700*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.5                    | 117.5                      | 39 600*                              | 33.4                    | 129.1                      | 33 000*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 10.4                    | 102.8                      | 36 500*                              | 27.6                    | 122.1                      | 30 500*                              | 112.0                     |
| 116.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.2                    | 112.7                      | 28 000*                              | 116.0                     |
| 120.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 7.4                     | 95.5                       | 24 900*                              | 120.0                     |

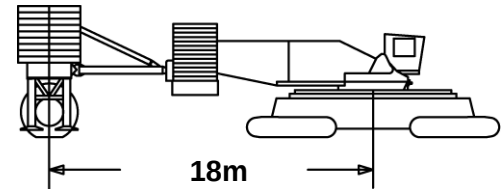
Capacities indicated by **(b)** require  
16 780 kg minimum weight suspended  
beneath luffing jib point.

# 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  
350 170 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



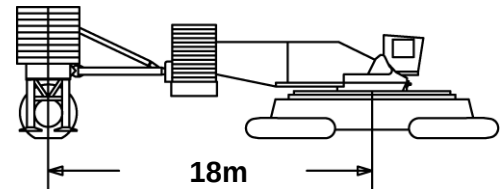
## 91.4m (300 Ft.) Boom, 85.3m (280 Ft.) Luffing Jib

| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 100 700*                             |                         |                            |                                      | 64.0                      |
| 66.0                      | 50.1                    | 159.6                      | 67 900*                              | 56.8                    | 164.6                      | 103 400*                             | 62.9                    | 167.5                      | 96 700*                              |                         |                            |                                      | 66.0                      |
| 68.0                      | 48.3                    | 157.9                      | 65 100*                              | 55.2                    | 163.2                      | 100 200*                             | 61.4                    | 166.4                      | 92 900*                              |                         |                            |                                      | 68.0                      |
| 70.0                      | 46.4                    | 156.0                      | 62 400*                              | 53.5                    | 161.7                      | 96 800*                              | 59.8                    | 165.2                      | 89 300*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 44.5                    | 154.0                      | 59 800*                              | 51.8                    | 160.2                      | 93 500*                              | 58.3                    | 164.0                      | 85 900*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 42.6                    | 151.8                      | 57 300*                              | 50.0                    | 158.5                      | 90 100*                              | 56.7                    | 162.7                      | 82 700*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 40.5                    | 149.5                      | 55 000*                              | 48.2                    | 156.7                      | 86 800*                              | 55.0                    | 161.3                      | 79 600*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 36.1                    | 144.3                      | 50 700*                              | 44.5                    | 152.8                      | 80 300*                              | 51.6                    | 158.2                      | 73 900*                              | 58.0                    | 161.3                      | 64 200*                              | 80.0                      |
| 84.0                      | 31.2                    | 138.2                      | 47 100*                              | 40.5                    | 148.3                      | 74 100*                              | 48.1                    | 154.8                      | 68 800*                              | 54.7                    | 158.5                      | 59 500*                              | 84.0                      |
| 88.0                      | 25.4                    | 130.5                      | 44 000*                              | 36.1                    | 143.1                      | 68 400*                              | 44.3                    | 150.8                      | 64 100*                              | 51.3                    | 155.5                      | 55 300*                              | 88.0                      |
| 92.0                      | 17.9                    | 120.0                      | 41 700*                              | 31.1                    | 137.0                      | 63 300*                              | 40.3                    | 146.3                      | 59 700*                              | 47.8                    | 152.0                      | 51 400*                              | 92.0                      |
| 96.0                      |                         |                            |                                      | 25.3                    | 129.3                      | 58 800*                              | 35.9                    | 141.1                      | 55 700*                              | 44.0                    | 148.0                      | 47 700*                              | 96.0                      |
| 100.0                     |                         |                            |                                      | 17.8                    | 118.8                      | 55 100*                              | 30.9                    | 134.9                      | 52 000*                              | 39.9                    | 143.4                      | 44 400*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      | 25.0                    | 127.1                      | 48 400*                              | 35.4                    | 138.1                      | 41 300*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      | 17.4                    | 116.4                      | 45 100*                              | 30.4                    | 131.8                      | 38 300*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.4                    | 123.8                      | 35 500*                              | 112.0                     |
| 116.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 16.5                    | 112.7                      | 32 800*                              | 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  
350 170 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, 91.4m (300 Ft.) Luffing Jib

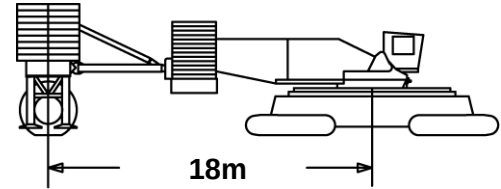
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 90 700*                              |                         |                            |                                      | 68.0                      |
| 70.0                      | 50.0                    | 164.2                      | 60 600*                              | 56.3                    | 169.2                      | 92 400*                              | 62.0                    | 172.2                      | 87 100*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 48.3                    | 162.5                      | 58 200*                              | 54.8                    | 167.8                      | 89 700*                              | 60.6                    | 171.1                      | 83 800*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 46.6                    | 160.6                      | 55 800*                              | 53.2                    | 166.3                      | 86 900*                              | 59.2                    | 169.9                      | 80 600*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 44.9                    | 158.6                      | 53 600*                              | 51.6                    | 164.8                      | 83 900*                              | 57.7                    | 168.6                      | 77 500*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 41.1                    | 154.2                      | 49 500*                              | 48.3                    | 161.3                      | 76 300*                              | 54.6                    | 165.9                      | 71 900*                              |                         |                            |                                      | 80.0                      |
| 84.0                      | 37.1                    | 149.2                      | 45 700*                              | 44.8                    | 157.4                      | 68 900*                              | 51.5                    | 162.8                      | 66 800*                              | 57.4                    | 165.9                      | 57 300*                              | 84.0                      |
| 88.0                      | 32.6                    | 143.3                      | 42 500*                              | 41.1                    | 153.1                      | 62 000*                              | 48.2                    | 159.4                      | 62 100*                              | 54.3                    | 163.2                      | 53 100*                              | 88.0                      |
| 92.0                      | 27.5                    | 136.2                      | 39 700*                              | 37.1                    | 148.0                      | 55 400*                              | 44.7                    | 155.5                      | 57 800*                              | 51.2                    | 160.1                      | 49 200*                              | 92.0                      |
| 96.0                      | 21.3                    | 127.2                      | 37 500*                              | 32.6                    | 142.1                      | 49 400*                              | 40.9                    | 151.1                      | 53 800*                              | 47.8                    | 156.6                      | 45 700*                              | 96.0                      |
| 100.0                     | 12.3                    | 113.4                      | 33 800*                              | 27.5                    | 135.0                      | 43 800*                              | 36.9                    | 146.0                      | 50 200*                              | 44.3                    | 152.6                      | 42 400*                              | 100.0                     |
| 104.0                     |                         |                            |                                      | 21.3                    | 125.9                      | 38 800*                              | 32.4                    | 140.0                      | 46 800*                              | 40.6                    | 148.2                      | 39 300*                              | 104.0                     |
| 108.0                     |                         |                            |                                      | 12.2                    | 112.1                      | 34 500*                              | 27.2                    | 132.9                      | 43 600*                              | 36.5                    | 143.0                      | 36 400*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      | 20.9                    | 123.7                      | 39 100*                              | 32.0                    | 137.0                      | 33 700*                              | 112.0                     |
| 116.0                     |                         |                            |                                      |                         |                            |                                      | 11.6                    | 109.4                      | 34 900*                              | 26.7                    | 129.7                      | 31 100*                              | 116.0                     |
| 120.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 20.3                    | 120.2                      | 28 700*                              | 120.0                     |
| 124.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 10.4                    | 105.0                      | 26 100*                              | 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 211 400*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 33.6                    | 120.3                      | 148 800*                             | 53.6                    | 128.6                      | 200 300*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 27.1                    | 116.7                      | 141 400*                             | 49.5                    | 126.9                      | 190 200*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 18.5                    | 111.5                      | 135 700*                             | 45.1                    | 124.9                      | 180 900*b                            | 61.8                    | 129.6                      | 165 300*b                            |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      |                         |                            |                                      | 40.4                    | 122.6                      | 172 300*                             | 58.1                    | 128.3                      | 157 500*b                            |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      |                         |                            |                                      | 35.0                    | 119.9                      | 164 300*                             | 54.3                    | 126.9                      | 150 200*b                            |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      |                         |                            |                                      | 28.8                    | 116.5                      | 156 800*                             | 50.2                    | 125.3                      | 143 500*b                            |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      |                         |                            |                                      | 20.9                    | 111.8                      | 149 700*                             | 45.9                    | 123.4                      | 137 300*b                            |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      |                         |                            |                                      |                         |                            |                                      | 41.2                    | 121.2                      | 131 400*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      |                         |                            |                                      | 36.0                    | 118.5                      | 125 900*                             | 54.6                    | 124.4                      | 114 000*b                            |                         |                            |                                      | 58.0                      |
| 60.0                      |                         |                            |                                      |                         |                            |                                      | 30.0                    | 115.2                      | 120 600*                             | 50.5                    | 122.8                      | 109 300*b                            |                         |                            |                                      | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      | 22.5                    | 110.9                      | 115 600*                             | 46.2                    | 120.9                      | 105 000*b                            |                         |                            |                                      | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      | 10.1                    | 103.3                      | 110 500*                             | 41.6                    | 118.7                      | 100 800*                             |                         |                            |                                      | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.4                    | 116.1                      | 96 800*                              |                         |                            |                                      | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.5                    | 112.9                      | 93 000*                              | 50.3                    | 119.3                      | 83 400*b                             | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 23.1                    | 108.6                      | 89 300*                              | 46.0                    | 117.4                      | 80 200*b                             | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 41.3                    | 115.2                      | 77 200*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 36.1                    | 112.6                      | 74 300*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.1                    | 109.3                      | 71 400*                              | 76.0                      |

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

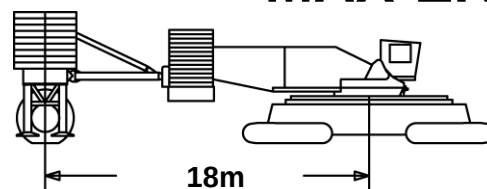
Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 209 900*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 40.0                      |
| 42.0                      | 44.8                    | 130.2                      | 142 200*                             | 59.5                    | 136.0                      | 198 600*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 40.7                    | 128.0                      | 134 300*                             | 56.3                    | 134.7                      | 188 500*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 36.3                    | 125.3                      | 127 100*                             | 52.9                    | 133.2                      | 179 300*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 31.2                    | 122.2                      | 120 700*                             | 49.4                    | 131.5                      | 170 900*                             | 63.1                    | 135.4                      | 155 400*b                            |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 25.3                    | 118.2                      | 115 200*                             | 45.7                    | 129.6                      | 163 000*                             | 60.1                    | 134.3                      | 148 200*b                            |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 17.5                    | 112.7                      | 111 000*                             | 41.7                    | 127.4                      | 155 700*                             | 56.9                    | 133.0                      | 141 600*b                            |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      |                         |                            |                                      | 37.4                    | 124.8                      | 148 900*                             | 53.5                    | 131.5                      | 135 400*b                            |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      |                         |                            |                                      | 32.5                    | 121.8                      | 142 600*                             | 50.0                    | 129.9                      | 129 600*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      |                         |                            |                                      | 26.9                    | 118.1                      | 136 600*                             | 46.4                    | 128.0                      | 124 300*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      |                         |                            |                                      | 19.6                    | 113.1                      | 130 800*                             | 42.4                    | 125.9                      | 119 200*                             | 57.1                    | 130.5                      | 107 200*b                            |                         |                            |                                      | 60.0                      |
| 62.0                      |                         |                            |                                      |                         |                            |                                      | 38.2                    | 123.4                      | 114 500*                             | 53.8                    | 129.0                      | 102 900*b                            |                         |                            |                                      | 62.0                      |
| 64.0                      |                         |                            |                                      |                         |                            |                                      | 33.4                    | 120.5                      | 109 900*                             | 50.3                    | 127.4                      | 98 800*                              |                         |                            |                                      | 64.0                      |
| 66.0                      |                         |                            |                                      |                         |                            |                                      | 27.9                    | 116.9                      | 105 600*                             | 46.6                    | 125.5                      | 95 100*                              |                         |                            |                                      | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      | 21.1                    | 112.2                      | 101 400*                             | 42.7                    | 123.4                      | 91 400*                              |                         |                            |                                      | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      | 10.1                    | 104.3                      | 97 200*                              | 38.5                    | 120.9                      | 87 900*                              |                         |                            |                                      | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 33.8                    | 118.1                      | 84 700*                              | 50.1                    | 123.9                      | 75 100*                              | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 28.3                    | 114.6                      | 81 500*                              | 46.4                    | 122.1                      | 72 300*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.6                    | 110.0                      | 78 300*                              | 42.5                    | 119.9                      | 69 700*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 33.5                    | 114.5                      | 64 600*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 21.2                    | 106.3                      | 59 800*                              | 84.0                      |

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

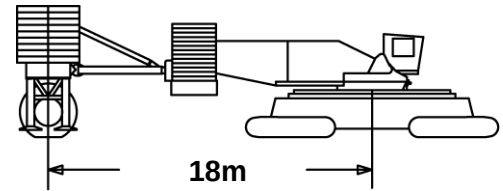
**Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).**

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 195 900*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 42.0                      |
| 44.0                      | 48.6                    | 136.8                      | 129 800*                             | 61.0                    | 141.9                      | 187 400*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 44.0                      |
| 46.0                      | 45.3                    | 134.9                      | 122 800*                             | 58.2                    | 140.7                      | 178 100*b                            |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 46.0                      |
| 48.0                      | 41.8                    | 132.7                      | 116 200*                             | 55.4                    | 139.3                      | 169 700*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 38.1                    | 130.2                      | 110 100*                             | 52.4                    | 137.8                      | 161 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 34.0                    | 127.3                      | 104 600*                             | 49.4                    | 136.1                      | 154 700*                             | 61.5                    | 140.2                      | 140 000*b                            |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 29.3                    | 123.9                      | 99 700*                              | 46.1                    | 134.2                      | 148 000*                             | 58.7                    | 139.0                      | 133 900*b                            |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 23.9                    | 119.7                      | 95 500*                              | 42.7                    | 132.1                      | 141 800*                             | 55.9                    | 137.6                      | 128 300*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 16.7                    | 113.9                      | 92 300*                              | 39.0                    | 129.6                      | 136 000*                             | 53.0                    | 136.1                      | 123 000*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      |                         |                            |                                      | 35.0                    | 126.9                      | 130 300*                             | 49.9                    | 134.5                      | 118 000*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      |                         |                            |                                      | 30.5                    | 123.6                      | 124 200*                             | 46.7                    | 132.6                      | 113 300*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      |                         |                            |                                      | 25.3                    | 119.6                      | 118 400*                             | 43.3                    | 130.5                      | 108 900*                             | 56.1                    | 135.1                      | 97 300*                              |                         |                            |                                      | 64.0                      |
| 66.0                      |                         |                            |                                      | 18.7                    | 114.4                      | 113 300*                             | 39.7                    | 128.2                      | 104 800*                             | 53.2                    | 133.6                      | 93 600*                              |                         |                            |                                      | 66.0                      |
| 68.0                      |                         |                            |                                      |                         |                            |                                      | 35.7                    | 125.5                      | 100 800*                             | 50.1                    | 132.0                      | 90 000*                              |                         |                            |                                      | 68.0                      |
| 70.0                      |                         |                            |                                      |                         |                            |                                      | 31.3                    | 122.3                      | 97 000*                              | 46.9                    | 130.1                      | 86 700*                              |                         |                            |                                      | 70.0                      |
| 72.0                      |                         |                            |                                      |                         |                            |                                      | 26.3                    | 118.5                      | 93 400*                              | 43.6                    | 128.1                      | 83 500*                              |                         |                            |                                      | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      | 20.0                    | 113.5                      | 89 900*                              | 40.0                    | 125.7                      | 80 400*                              | 53.0                    | 130.2                      | 70 800*                              | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      | 10.1                    | 105.4                      | 86 200*                              | 36.0                    | 123.0                      | 77 500*                              | 50.0                    | 128.5                      | 68 100*                              | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.7                    | 116.2                      | 72 000*                              | 43.4                    | 124.6                      | 63 300*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 35.8                    | 119.5                      | 58 800*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 26.4                    | 112.6                      | 54 600*                              | 88.0                      |

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

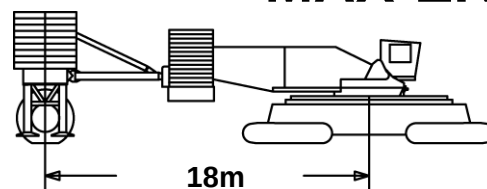
Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 167 600*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 48.0                      |
| 50.0                      | 45.8                    | 139.5                      | 106 700*                             | 57.3                    | 145.3                      | 160 100*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 50.0                      |
| 52.0                      | 42.7                    | 137.4                      | 101 300*                             | 54.7                    | 143.9                      | 152 900*                             |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 52.0                      |
| 54.0                      | 39.5                    | 135.0                      | 96 200*                              | 52.1                    | 142.4                      | 146 300*                             | 62.6                    | 146.0                      | 131 700*b                            |                         |                            |                                      |                         |                            |                                      | 54.0                      |
| 56.0                      | 36.0                    | 132.3                      | 91 500*                              | 49.3                    | 140.7                      | 140 100*                             | 60.2                    | 144.9                      | 126 100*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 32.1                    | 129.2                      | 87 200*                              | 46.5                    | 138.8                      | 134 300*                             | 57.7                    | 143.6                      | 120 800*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 27.8                    | 125.6                      | 83 500*                              | 43.4                    | 136.7                      | 128 200*                             | 55.2                    | 142.3                      | 115 900*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 22.7                    | 121.1                      | 80 300*                              | 40.3                    | 134.4                      | 122 000*                             | 52.5                    | 140.7                      | 111 300*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 16.0                    | 115.1                      | 77 900*                              | 36.8                    | 131.8                      | 116 000*                             | 49.8                    | 139.1                      | 107 000*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      |                         |                            |                                      | 33.1                    | 128.8                      | 110 500*                             | 47.0                    | 137.2                      | 102 900*                             | 57.9                    | 141.1                      | 91 300*                              |                         |                            |                                      | 66.0                      |
| 68.0                      |                         |                            |                                      | 28.9                    | 125.3                      | 105 400*                             | 44.0                    | 135.2                      | 99 000*                              | 55.3                    | 139.7                      | 87 800*                              |                         |                            |                                      | 68.0                      |
| 70.0                      |                         |                            |                                      | 24.0                    | 121.1                      | 100 700*                             | 40.8                    | 132.9                      | 95 300*                              | 52.7                    | 138.2                      | 84 500*                              |                         |                            |                                      | 70.0                      |
| 72.0                      |                         |                            |                                      | 17.9                    | 115.6                      | 96 800*                              | 37.4                    | 130.4                      | 91 900*                              | 50.0                    | 136.6                      | 81 400*                              |                         |                            |                                      | 72.0                      |
| 74.0                      |                         |                            |                                      |                         |                            |                                      | 33.7                    | 127.4                      | 88 500*                              | 47.2                    | 134.7                      | 78 400*                              |                         |                            |                                      | 74.0                      |
| 76.0                      |                         |                            |                                      |                         |                            |                                      | 29.6                    | 124.1                      | 85 300*                              | 44.2                    | 132.7                      | 75 600*                              |                         |                            |                                      | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      | 19.1                    | 114.8                      | 79 200*                              | 37.7                    | 127.9                      | 70 200*                              | 49.9                    | 133.1                      | 61 100*                              | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 30.0                    | 121.7                      | 65 300*                              | 44.0                    | 129.3                      | 56 700*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 19.6                    | 112.6                      | 60 700*                              | 37.5                    | 124.4                      | 52 700*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 29.7                    | 118.2                      | 49 000*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 19.2                    | 108.9                      | 45 400*                              | 96.0                      |

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

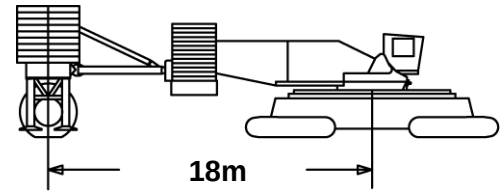
Do not luff into area indicated by (c)  
with 16 780 kg minimum weight  
(see CAUTION on page 1).

# 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 124 400*                             |                         |                            |                                      |                         |                            |                                      | 56.0                      |
| 58.0                      | 40.5                    | 139.7                      | 84 700*                              | 51.8                    | 147.0                      | 131 100*                             | 61.3                    | 150.8                      | 119 200*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 37.5                    | 137.2                      | 80 700*                              | 49.3                    | 145.3                      | 125 300*                             | 59.1                    | 149.6                      | 114 300*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 34.2                    | 134.3                      | 77 000*                              | 46.7                    | 143.4                      | 119 700*                             | 56.9                    | 148.3                      | 109 800*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 30.6                    | 131.0                      | 73 700*                              | 44.0                    | 141.4                      | 114 200*                             | 54.6                    | 146.9                      | 105 500*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 26.5                    | 127.2                      | 70 800*                              | 41.2                    | 139.1                      | 108 900*                             | 52.2                    | 145.3                      | 101 400*                             |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 21.7                    | 122.5                      | 68 300*                              | 38.2                    | 136.6                      | 103 900*                             | 49.7                    | 143.7                      | 97 600*                              |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 15.5                    | 116.2                      | 66 400*                              | 35.0                    | 133.8                      | 99 100*                              | 47.2                    | 141.8                      | 94 000*                              | 57.0                    | 145.8                      | 82 800*                              |                         |                            |                                      | 70.0                      |
| 72.0                      |                         |                            |                                      | 31.5                    | 130.7                      | 94 600*                              | 44.5                    | 139.8                      | 90 500*                              | 54.7                    | 144.4                      | 79 700*                              |                         |                            |                                      | 72.0                      |
| 74.0                      |                         |                            |                                      | 27.5                    | 127.0                      | 90 500*                              | 41.7                    | 137.6                      | 87 300*                              | 52.4                    | 142.8                      | 76 800*                              |                         |                            |                                      | 74.0                      |
| 76.0                      |                         |                            |                                      | 23.0                    | 122.6                      | 86 700*                              | 38.7                    | 135.2                      | 84 200*                              | 49.9                    | 141.2                      | 74 000*                              |                         |                            |                                      | 76.0                      |
| 80.0                      |                         |                            |                                      |                         |                            |                                      | 32.1                    | 129.3                      | 78 400*                              | 44.7                    | 137.3                      | 68 800*                              |                         |                            |                                      | 80.0                      |
| 84.0                      |                         |                            |                                      |                         |                            |                                      | 23.8                    | 121.5                      | 73 000*                              | 39.0                    | 132.7                      | 64 100*                              | 49.8                    | 137.7                      | 55 100*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      | 10.2                    | 107.6                      | 67 600*                              | 32.4                    | 127.0                      | 59 700*                              | 44.6                    | 133.9                      | 51 200*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 24.2                    | 119.2                      | 55 500*                              | 38.8                    | 129.2                      | 47 600*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 11.0                    | 105.8                      | 51 400*                              | 32.2                    | 123.4                      | 44 200*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 23.9                    | 115.6                      | 41 000*                              | 100.0                     |

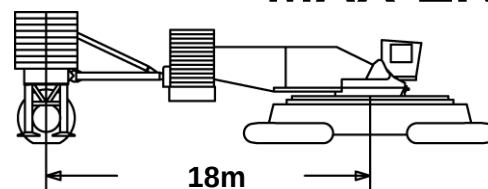
Capacities indicated by (b) require  
16 780 kg minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

**Luffing Jib No. 81 On**  
**Boom No. 80 With 42.7m Mast No. 81**  
**224 390 kg Crane Counterweight**  
**90 720 kg Carbody Counterweight**  
**350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 116 900*                             |                         |                            |                                      |                         |                            |                                      | 58.0                      |
| 60.0                      | 43.9                    | 146.7                      | 78 400*                              | 53.7                    | 153.2                      | 121 300*                             | 62.2                    | 156.7                      | 112 100*                             |                         |                            |                                      |                         |                            |                                      | 60.0                      |
| 62.0                      | 41.3                    | 144.4                      | 74 800*                              | 51.5                    | 151.6                      | 116 400*                             | 60.2                    | 155.5                      | 107 600*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 38.6                    | 142.0                      | 71 400*                              | 49.3                    | 149.9                      | 111 500*                             | 58.2                    | 154.3                      | 103 300*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 35.8                    | 139.3                      | 68 200*                              | 46.9                    | 148.0                      | 106 700*                             | 56.2                    | 152.9                      | 99 300*                              |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 32.6                    | 136.2                      | 65 300*                              | 44.5                    | 146.0                      | 102 000*                             | 54.1                    | 151.5                      | 95 500*                              |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 29.2                    | 132.8                      | 62 700*                              | 42.0                    | 143.8                      | 97 600*                              | 51.9                    | 150.0                      | 91 900*                              |                         |                            |                                      |                         |                            |                                      | 70.0                      |
| 72.0                      | 25.4                    | 128.8                      | 60 400*                              | 39.3                    | 141.4                      | 93 200*                              | 49.7                    | 148.3                      | 88 600*                              | 58.4                    | 151.7                      | 77 400*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 20.9                    | 123.9                      | 58 500*                              | 36.5                    | 138.8                      | 89 100*                              | 47.3                    | 146.4                      | 85 300*                              | 56.3                    | 150.4                      | 74 500*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 15.1                    | 117.4                      | 57 000*                              | 33.4                    | 135.8                      | 85 200*                              | 44.9                    | 144.5                      | 82 300*                              | 54.2                    | 149.0                      | 71 800*                              |                         |                            |                                      | 76.0                      |
| 80.0                      |                         |                            |                                      | 26.4                    | 128.6                      | 78 200*                              | 39.8                    | 139.9                      | 76 600*                              | 49.8                    | 145.8                      | 66 700*                              |                         |                            |                                      | 80.0                      |
| 84.0                      |                         |                            |                                      | 16.7                    | 118.0                      | 72 500*                              | 34.0                    | 134.4                      | 71 300*                              | 45.1                    | 142.0                      | 62 000*                              | 54.1                    | 145.6                      | 52 800*                              | 84.0                      |
| 88.0                      |                         |                            |                                      |                         |                            |                                      | 27.0                    | 127.4                      | 66 500*                              | 40.0                    | 137.5                      | 57 700*                              | 49.7                    | 142.3                      | 49 000*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      | 17.7                    | 117.3                      | 61 900*                              | 34.2                    | 132.0                      | 53 800*                              | 45.0                    | 138.5                      | 45 500*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 27.3                    | 125.1                      | 50 000*                              | 39.8                    | 134.0                      | 42 200*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 18.1                    | 115.1                      | 46 400*                              | 34.0                    | 128.5                      | 39 100*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 27.1                    | 121.5                      | 36 200*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 17.8                    | 111.4                      | 33 400*                              | 108.0                     |

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

# Liftcrane Luffing Jib Capacities

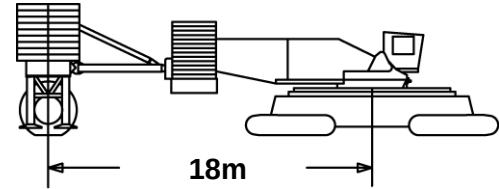
21000

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  
 350 170 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



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

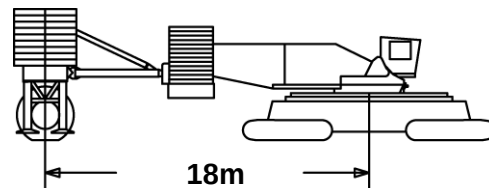
| Jib<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | 65 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 105 700*                             |                         |                            |                                      |                         |                            |                                      | 62.0                      |
| 64.0                      | 44.4                    | 151.3                      | 70 000*                              | 53.3                    | 157.8                      | 108 500*                             | 61.2                    | 161.4                      | 101 400*                             |                         |                            |                                      |                         |                            |                                      | 64.0                      |
| 66.0                      | 42.0                    | 149.1                      | 67 000*                              | 51.3                    | 156.2                      | 104 300*                             | 59.3                    | 160.2                      | 97 500*                              |                         |                            |                                      |                         |                            |                                      | 66.0                      |
| 68.0                      | 39.6                    | 146.8                      | 64 100*                              | 49.2                    | 154.5                      | 100 200*                             | 57.5                    | 159.0                      | 93 700*                              |                         |                            |                                      |                         |                            |                                      | 68.0                      |
| 70.0                      | 37.0                    | 144.2                      | 61 400*                              | 47.1                    | 152.6                      | 96 100*                              | 55.6                    | 157.6                      | 90 200*                              |                         |                            |                                      |                         |                            |                                      | 70.0                      |
| 72.0                      | 34.3                    | 141.3                      | 58 900*                              | 44.9                    | 150.7                      | 92 200*                              | 53.6                    | 156.1                      | 86 800*                              |                         |                            |                                      |                         |                            |                                      | 72.0                      |
| 74.0                      | 31.3                    | 138.1                      | 56 600*                              | 42.6                    | 148.5                      | 88 300*                              | 51.7                    | 154.6                      | 83 600*                              |                         |                            |                                      |                         |                            |                                      | 74.0                      |
| 76.0                      | 28.1                    | 134.5                      | 54 500*                              | 40.2                    | 146.2                      | 84 600*                              | 49.6                    | 152.9                      | 80 600*                              | 57.6                    | 156.4                      | 69 900*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 20.2                    | 125.2                      | 51 200*                              | 35.0                    | 140.8                      | 77 800*                              | 45.3                    | 149.1                      | 75 000*                              | 53.8                    | 153.6                      | 64 800*                              |                         |                            |                                      | 80.0                      |
| 84.0                      |                         |                            |                                      | 28.9                    | 134.2                      | 71 600*                              | 40.6                    | 144.7                      | 69 800*                              | 49.8                    | 150.4                      | 60 200*                              |                         |                            |                                      | 84.0                      |
| 88.0                      |                         |                            |                                      | 21.3                    | 125.3                      | 66 400*                              | 35.4                    | 139.4                      | 65 100*                              | 45.5                    | 146.6                      | 56 000*                              | 53.7                    | 150.2                      | 47 100*                              | 88.0                      |
| 92.0                      |                         |                            |                                      |                         |                            |                                      | 29.5                    | 132.9                      | 60 700*                              | 40.8                    | 142.2                      | 52 100*                              | 49.6                    | 146.9                      | 43 600*                              | 92.0                      |
| 96.0                      |                         |                            |                                      |                         |                            |                                      | 22.0                    | 124.3                      | 56 600*                              | 35.6                    | 137.0                      | 48 500*                              | 45.3                    | 143.2                      | 40 400*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      | 10.2                    | 109.7                      | 52 500*                              | 29.7                    | 130.6                      | 45 100*                              | 40.7                    | 138.7                      | 37 400*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.4                    | 122.1                      | 41 900*                              | 35.5                    | 133.5                      | 34 600*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 10.8                    | 107.9                      | 38 600*                              | 29.5                    | 127.0                      | 32 000*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 22.1                    | 118.5                      | 29 500*                              | 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  
350 170 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<br>Oper.<br>Rad.<br>m | 85 Degree<br>Boom Angle |                            |                                      | 80 Degree<br>Boom Angle |                            |                                      | 75 Degree<br>Boom Angle |                            |                                      | 70 Degree<br>Boom Angle |                            |                                      | Jib<br>Oper.<br>Rad.<br>m |
|---------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|-------------------------|----------------------------|--------------------------------------|---------------------------|
|                           | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>Kilograms | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>m | Luffing Jib<br>Capacity<br>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                      | 99 200*                              |                         |                            |                                      | 64.0                      |
| 66.0                      | 46.8                    | 158.0                      | 65 000*                              | 54.8                    | 163.9                      | 100 400*                             | 61.9                    | 167.3                      | 95 300*                              |                         |                            |                                      | 66.0                      |
| 68.0                      | 44.7                    | 156.0                      | 62 300*                              | 53.0                    | 162.4                      | 96 900*                              | 60.3                    | 166.1                      | 91 500*                              |                         |                            |                                      | 68.0                      |
| 70.0                      | 42.6                    | 153.8                      | 59 600*                              | 51.1                    | 160.8                      | 93 300*                              | 58.6                    | 164.9                      | 88 000*                              |                         |                            |                                      | 70.0                      |
| 72.0                      | 40.4                    | 151.5                      | 57 200*                              | 49.2                    | 159.1                      | 89 800*                              | 56.9                    | 163.6                      | 84 700*                              |                         |                            |                                      | 72.0                      |
| 74.0                      | 38.1                    | 149.0                      | 54 800*                              | 47.3                    | 157.2                      | 86 400*                              | 55.1                    | 162.2                      | 81 500*                              |                         |                            |                                      | 74.0                      |
| 76.0                      | 35.6                    | 146.2                      | 52 600*                              | 45.2                    | 155.3                      | 83 000*                              | 53.3                    | 160.7                      | 78 500*                              |                         |                            |                                      | 76.0                      |
| 80.0                      | 30.2                    | 139.9                      | 48 800*                              | 40.9                    | 150.9                      | 76 500*                              | 49.6                    | 157.5                      | 73 000*                              | 57.0                    | 161.1                      | 62 500*                              | 80.0                      |
| 84.0                      | 23.6                    | 131.7                      | 45 600*                              | 36.2                    | 145.7                      | 70 500*                              | 45.6                    | 153.7                      | 67 900*                              | 53.4                    | 158.2                      | 58 000*                              | 84.0                      |
| 88.0                      | 14.4                    | 119.6                      | 43 600*                              | 30.9                    | 139.5                      | 65 100*                              | 41.3                    | 149.4                      | 63 200*                              | 49.7                    | 155.0                      | 53 900*                              | 88.0                      |
| 92.0                      |                         |                            |                                      | 24.5                    | 131.7                      | 60 400*                              | 36.7                    | 144.3                      | 58 900*                              | 45.7                    | 151.2                      | 50 100*                              | 92.0                      |
| 96.0                      |                         |                            |                                      | 15.8                    | 120.3                      | 56 700*                              | 31.4                    | 138.2                      | 55 000*                              | 41.5                    | 146.9                      | 46 500*                              | 96.0                      |
| 100.0                     |                         |                            |                                      |                         |                            |                                      | 25.1                    | 130.5                      | 51 200*                              | 36.8                    | 141.9                      | 43 200*                              | 100.0                     |
| 104.0                     |                         |                            |                                      |                         |                            |                                      | 16.7                    | 119.7                      | 47 700*                              | 31.6                    | 135.8                      | 40 100*                              | 104.0                     |
| 108.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 25.4                    | 128.2                      | 37 200*                              | 108.0                     |
| 112.0                     |                         |                            |                                      |                         |                            |                                      |                         |                            |                                      | 17.1                    | 117.5                      | 34 300*                              | 112.0                     |

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