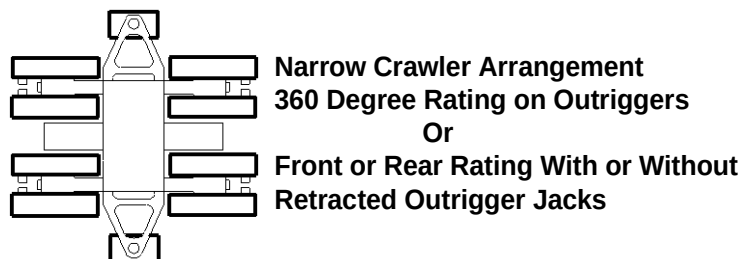
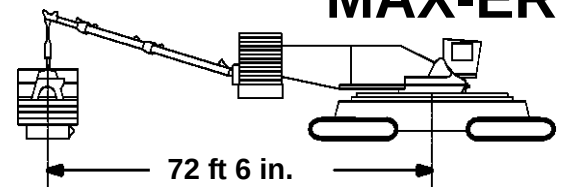


# Liftcrane Luffing Jib Capacities

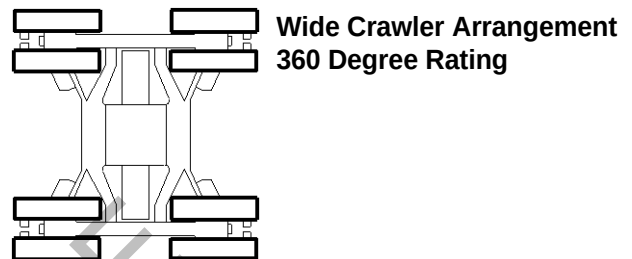
21000  
MAX-ER

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



Narrow Crawler Arrangement  
360 Degree Rating on Outriggers  
Or  
Front or Rear Rating With or Without  
Retracted Outrigger Jacks



Wide Crawler Arrangement  
360 Degree Rating

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

Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

**Caution:** Do not luff into area indicated by (c) with 37,000 lb minimum weight. Luffing jib will not luff down and luffing hoist wire rope may overhaul luffing jib and cause wire rope damage or failure.

Hanging counterweight must be attached to support beam and MAX-ER mode must be selected to operate. Minimum boom capacity to raise hanging counterweight free of ground support is required for swing and travel. Do not allow hanging counterweight to contact ground while swinging and traveling. Exit MAX-ER mode before operating without hanging 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 48,800 lb or 97,600 lb 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 1/2 in. in 10 ft 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 Operator's Manual for operating guidelines.

**Narrow Crawler Arrangement:** Narrow crawler arrangement (30 ft 0 in.) requires outriggers with jacks set for 360 degree operation (no travel). Refer to Operator's 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 (47 ft 6 in.) 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. 8679-A**.

**Narrow Crawler Arrangement:** Narrow crawler arrangement (30 ft 0 in.) 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 (47 ft 6 in.) travel allowed with 360 degree rating.

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

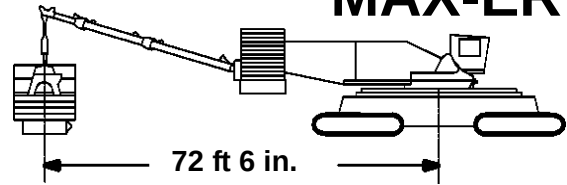
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**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 16 ft 4 in. crawlers, 48 in. treads, 140 ft mast, 28 ft retractable gantry, 20 part boom hoist reeving, boom

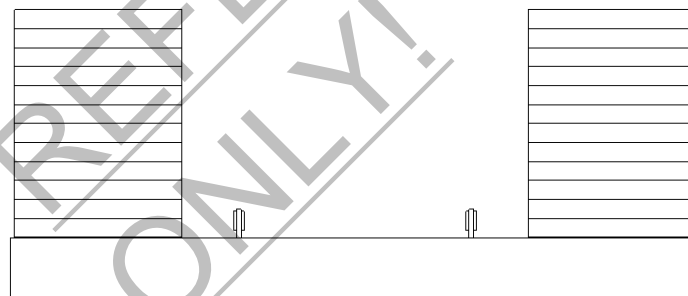
support straps, 22 part luffing jib hoist reeving, luffing jib and backstay support straps, 458,700 lb crane counterweight, two 53,500 lb and two 46,500 lb carbody counterweights and 599,300 lb hanging counterweight.

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

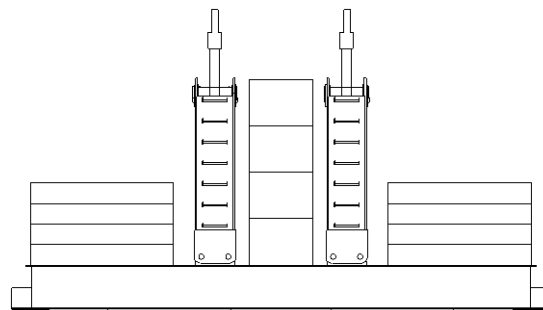
**Warning:** Narrow crawler arrangement requires set outrigger jacks to swing beyond front or rear operating range.

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

**WARNING:** Check amount of crane counterweight and hanging counterweight on machine before use of this chart. Refer to counterweight assemblies.



458,700 lb Crane Counterweight  
24 Side Boxes

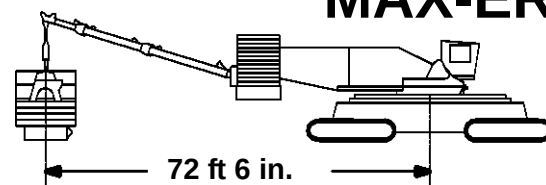


599,300 lb Hanging Counterweight  
8 Side Boxes - 4 Center Boxes

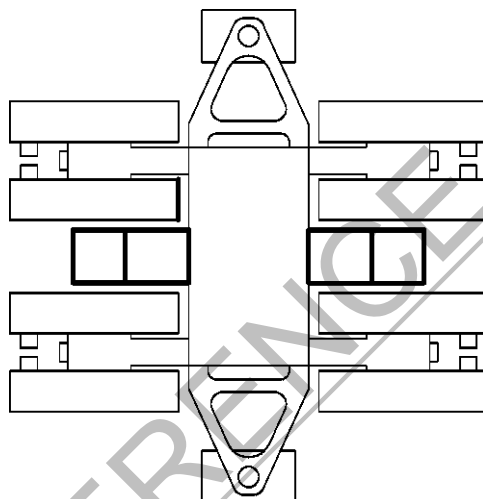
# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

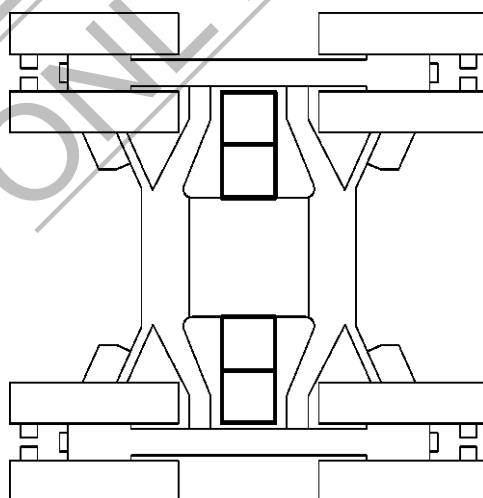
Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**



200,000 lb Carbody Counterweight  
2 Inner Boxes - 2 Outer Boxes  
Narrow Crawler Arrangement



200,000 lb Carbody Counterweight  
2 Inner Boxes - 2 Outer Boxes  
Wide Crawler Arrangement

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

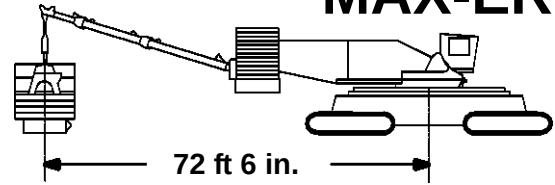
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



| WITH OR WITHOUT BOOM AND/OR JIB CATWALKS                                                                                   |                               |                                         |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------|-----------------------------------------|
| Maximum Boom and Luffing Jib Lengths<br>Lifted Unassisted Using Jack-Knife Method<br>With 599,300 lb Hanging 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                                                                                             |                               |                                         |
| 180 - 280                                                                                                                  | 120 - 300                     | 90                                      |
| 300                                                                                                                        | 120 - 300                     | 60                                      |
| 320                                                                                                                        | 120 - 240                     | 60                                      |
| Load blocks, hook and weight ball on ground until<br>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.

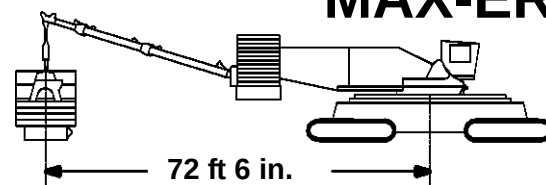
**NOTE:** Upper jib point cannot be installed until boom and jib are jack-knifed into position and must be removed before contacting ground when lowering.

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

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



21000  
MAX-ER

## 180.0 ft Boom, 120.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 100                          | 61.4                    | 293.0                         | 566,700                                                            | 668,500*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 100                          |
| 105                          | 58.6                    | 290.0                         | 533,200                                                            | 634,900*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          | 55.7                    | 286.5                         | 503,000                                                            | 604,200*b                            | 64.3                    | 292.4                         | 470,100                                                            | 582,200*b                            |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 52.7                    | 282.7                         | 475,600                                                            | 576,100*                             | 61.6                    | 289.7                         | 444,400                                                            | 555,200*b                            |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 49.5                    | 278.4                         | 450,500                                                            | 550,200*                             | 58.8                    | 286.6                         | 421,000                                                            | 530,300*b                            |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 46.2                    | 273.7                         | 427,500                                                            | 526,300*                             | 55.9                    | 283.2                         | 399,500                                                            | 507,300*b                            |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 42.7                    | 268.3                         | 406,300                                                            | 504,100*                             | 52.9                    | 279.4                         | 379,700                                                            | 486,000*                             |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 38.9                    | 262.1                         | 386,600                                                            | 483,400*                             | 49.8                    | 275.2                         | 361,400                                                            | 466,300*                             | 58.9                    | 281.7                         | 336,000                                                            | 448,900*b                            | 135                          |
| 140                          | 34.8                    | 255.1                         | 368,200                                                            | 464,100*                             | 46.5                    | 270.5                         | 344,500                                                            | 447,800*                             | 56.0                    | 278.3                         | 320,200                                                            | 431,200*b                            | 140                          |
| 145                          | 30.2                    | 246.7                         | 351,000                                                            | 446,000*                             | 43.0                    | 265.2                         | 328,600                                                            | 430,500*                             | 53.0                    | 274.5                         | 305,500                                                            | 414,600*                             | 145                          |
| 150                          | 24.7                    | 236.4                         | 334,600                                                            | 428,800*                             | 39.3                    | 259.1                         | 313,800                                                            | 414,300*                             | 49.9                    | 270.3                         | 291,800                                                            | 399,100*                             | 150                          |
| 155                          | 17.5                    | 222.3                         | 318,700                                                            | 412,300*                             | 35.2                    | 252.1                         | 299,800                                                            | 399,000*                             | 46.6                    | 265.6                         | 278,900                                                            | 384,500*                             | 155                          |
| 160                          |                         |                               |                                                                    |                                      | 30.6                    | 243.9                         | 286,600                                                            | 384,500*                             | 43.1                    | 260.3                         | 266,800                                                            | 370,800*                             | 160                          |
| 165                          |                         |                               |                                                                    |                                      | 25.2                    | 233.8                         | 273,900                                                            | 370,700*                             | 39.4                    | 254.2                         | 255,400                                                            | 357,800*                             | 165                          |
| 170                          |                         |                               |                                                                    |                                      | 18.3                    | 220.2                         | 261,400                                                            | 357,400*                             | 35.3                    | 247.3                         | 244,500                                                            | 345,400*                             | 170                          |
| 175                          |                         |                               |                                                                    |                                      | 3.6                     | 189.8                         | 247,100                                                            | 343,200*                             | 30.7                    | 239.1                         | 234,100                                                            | 333,700*                             | 175                          |
| 180                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 25.3                    | 229.0                         | 224,000                                                            | 322,400*                             | 180                          |
| 185                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 18.4                    | 215.5                         | 214,100                                                            | 311,400*                             | 185                          |
| 190                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 4.5                     | 186.8                         | 202,400                                                            | 299,600*                             | 190                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

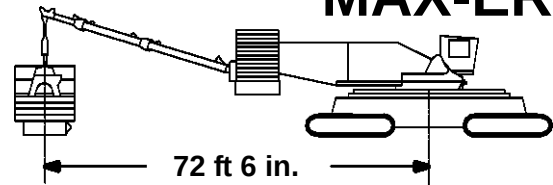
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 180.0 ft Boom, 140.0 ft Luffing Jib

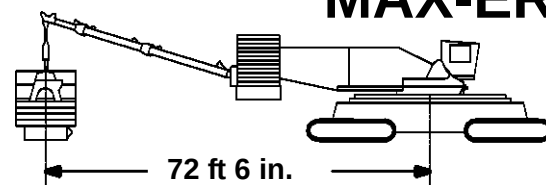
| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 100                          | 65.8                    | 315.6                         | 564,800                                                            | 664,900*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 100                          |
| 105                          | 63.5                    | 313.1                         | 531,300                                                            | 631,400*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          | 61.2                    | 310.4                         | 501,100                                                            | 600,900*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 58.8                    | 307.3                         | 473,700                                                            | 572,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 56.3                    | 304.0                         | 448,800                                                            | 547,200*                             | 63.7                    | 309.7                         | 417,600                                                            | 526,300*(b)                          |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 53.8                    | 300.3                         | 425,900                                                            | 523,500*                             | 61.4                    | 307.0                         | 396,200                                                            | 503,500*(b)                          |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 51.1                    | 296.2                         | 404,900                                                            | 501,600*                             | 59.0                    | 304.0                         | 376,600                                                            | 482,400*                             |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 48.4                    | 291.8                         | 385,500                                                            | 481,100*                             | 56.5                    | 300.6                         | 358,400                                                            | 462,800*                             |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 45.5                    | 286.9                         | 367,500                                                            | 462,100*                             | 54.0                    | 297.0                         | 341,700                                                            | 444,500*                             |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 42.5                    | 281.5                         | 350,700                                                            | 444,300*                             | 51.4                    | 293.0                         | 326,100                                                            | 427,400*                             | 59.0                    | 299.0                         | 301,400                                                            | 410,600*                             | 145                          |
| 150                          | 39.3                    | 275.4                         | 335,100                                                            | 427,600*                             | 48.7                    | 288.6                         | 311,500                                                            | 411,500*                             | 56.6                    | 295.7                         | 287,800                                                            | 395,200*                             | 150                          |
| 155                          | 35.8                    | 268.6                         | 320,400                                                            | 411,900*                             | 45.8                    | 283.8                         | 297,900                                                            | 396,400*                             | 54.0                    | 292.1                         | 275,200                                                            | 380,800*                             | 155                          |
| 160                          | 32.0                    | 260.8                         | 306,500                                                            | 397,100*                             | 42.8                    | 278.4                         | 285,100                                                            | 382,300*                             | 51.4                    | 288.1                         | 263,400                                                            | 367,300*                             | 160                          |
| 165                          | 27.8                    | 251.6                         | 293,300                                                            | 383,100*                             | 39.6                    | 272.4                         | 273,100                                                            | 369,000*                             | 48.7                    | 283.7                         | 252,200                                                            | 354,500*                             | 165                          |
| 170                          | 22.7                    | 240.3                         | 280,700                                                            | 369,600*                             | 36.2                    | 265.6                         | 261,700                                                            | 356,300*                             | 45.9                    | 278.9                         | 241,700                                                            | 342,400*                             | 170                          |
| 175                          | 16.1                    | 224.9                         | 268,300                                                            | 356,600*                             | 32.4                    | 257.9                         | 250,800                                                            | 344,300*                             | 42.9                    | 273.5                         | 231,800                                                            | 331,000*                             | 175                          |
| 180                          |                         |                               |                                                                    |                                      | 28.2                    | 248.9                         | 240,500                                                            | 332,800*                             | 39.7                    | 267.5                         | 222,300                                                            | 320,100*                             | 180                          |
| 185                          |                         |                               |                                                                    |                                      | 23.2                    | 237.8                         | 230,400                                                            | 321,800*                             | 36.2                    | 260.8                         | 213,400                                                            | 309,800*                             | 185                          |
| 190                          |                         |                               |                                                                    |                                      | 16.8                    | 223.0                         | 220,400                                                            | 311,100*                             | 32.5                    | 253.1                         | 204,700                                                            | 299,900*                             | 190                          |
| 195                          |                         |                               |                                                                    |                                      | 3.1                     | 190.0                         | 208,800                                                            | 299,500*                             | 28.3                    | 244.1                         | 196,400                                                            | 290,400*                             | 195                          |
| 200                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 23.3                    | 233.1                         | 188,300                                                            | 281,300*                             | 200                          |
| 205                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 16.9                    | 218.3                         | 180,200                                                            | 272,300*                             | 205                          |
| 210                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 4.0                     | 187.1                         | 170,600                                                            | 262,500*                             | 210                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 180.0 ft Boom, 160.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 105                          | 67.1                    | 335.4                         | 529,400                                                            | 628,700*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          | 65.1                    | 333.0                         | 499,200                                                            | 598,300*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 63.1                    | 330.5                         | 471,900                                                            | 570,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 61.0                    | 327.7                         | 447,000                                                            | 544,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 58.9                    | 324.6                         | 424,200                                                            | 521,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 56.8                    | 321.4                         | 403,300                                                            | 499,400*                             | 63.3                    | 327.1                         | 373,800                                                            | 479,500*                             |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 54.6                    | 317.8                         | 384,000                                                            | 479,100*                             | 61.2                    | 324.3                         | 355,800                                                            | 460,000*                             |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 52.3                    | 313.9                         | 366,100                                                            | 460,200*                             | 59.1                    | 321.3                         | 339,100                                                            | 441,800*                             |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 50.0                    | 309.7                         | 349,500                                                            | 442,500*                             | 57.0                    | 318.0                         | 323,600                                                            | 424,900*                             |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 47.6                    | 305.1                         | 334,100                                                            | 426,000*                             | 54.8                    | 314.5                         | 309,200                                                            | 409,000*                             |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 45.0                    | 300.2                         | 319,700                                                            | 410,500*                             | 52.5                    | 310.6                         | 295,800                                                            | 394,100*                             | 59.2                    | 316.4                         | 272,000                                                            | 377,900*                             | 155                          |
| 160                          | 42.4                    | 294.7                         | 306,100                                                            | 395,900*                             | 50.2                    | 306.5                         | 283,200                                                            | 380,100*                             | 57.0                    | 313.1                         | 260,300                                                            | 364,400*                             | 160                          |
| 165                          | 39.6                    | 288.7                         | 293,400                                                            | 382,100*                             | 47.8                    | 302.0                         | 271,300                                                            | 367,000*                             | 54.8                    | 309.6                         | 249,400                                                            | 351,800*                             | 165                          |
| 170                          | 36.6                    | 282.0                         | 281,400                                                            | 369,100*                             | 45.3                    | 297.0                         | 260,200                                                            | 354,500*                             | 52.6                    | 305.8                         | 239,000                                                            | 339,900*                             | 170                          |
| 175                          | 33.4                    | 274.6                         | 270,000                                                            | 356,800*                             | 42.6                    | 291.6                         | 249,700                                                            | 342,700*                             | 50.2                    | 301.6                         | 229,300                                                            | 328,600*                             | 175                          |
| 180                          | 29.9                    | 266.1                         | 259,100                                                            | 345,000*                             | 39.8                    | 285.6                         | 239,700                                                            | 331,500*                             | 47.8                    | 297.1                         | 220,100                                                            | 317,900*                             | 180                          |
| 185                          | 25.9                    | 256.1                         | 248,700                                                            | 333,800*                             | 36.9                    | 279.0                         | 230,200                                                            | 320,900*                             | 45.3                    | 292.1                         | 211,300                                                            | 307,700*                             | 185                          |
| 190                          | 21.1                    | 243.9                         | 238,700                                                            | 323,000*                             | 33.7                    | 271.7                         | 221,200                                                            | 310,800*                             | 42.7                    | 286.7                         | 203,000                                                            | 298,000*                             | 190                          |
| 195                          | 15.0                    | 227.4                         | 228,700                                                            | 312,500*                             | 30.2                    | 263.3                         | 212,600                                                            | 301,100*                             | 39.9                    | 280.8                         | 195,100                                                            | 288,800*                             | 195                          |
| 200                          |                         |                               |                                                                    |                                      | 26.2                    | 253.5                         | 204,200                                                            | 291,800*                             | 36.9                    | 274.2                         | 187,500                                                            | 280,000*                             | 200                          |
| 205                          |                         |                               |                                                                    |                                      | 21.6                    | 241.5                         | 196,100                                                            | 282,800*                             | 33.7                    | 266.8                         | 180,300                                                            | 271,600*                             | 205                          |
| 210                          |                         |                               |                                                                    |                                      | 15.6                    | 225.6                         | 187,900                                                            | 273,900*                             | 30.2                    | 258.4                         | 173,300                                                            | 263,500*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      | 2.8                     | 190.1                         | 178,200                                                            | 264,300*                             | 26.3                    | 248.7                         | 166,500                                                            | 255,700*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 21.7                    | 236.8                         | 159,800                                                            | 248,100*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 15.8                    | 221.0                         | 153,100                                                            | 240,600*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 3.6                     | 187.4                         | 145,000                                                            | 232,400*                             | 230                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

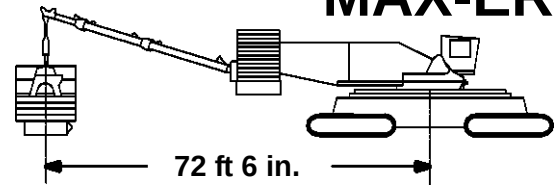
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 180.0 ft Boom, 180.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 105                          | 69.7                    | 357.0                         | 526,700                                                            | 624,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          | 68.0                    | 355.0                         | 496,400                                                            | 594,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 66.3                    | 352.8                         | 469,000                                                            | 566,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 64.5                    | 350.4                         | 444,000                                                            | 540,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 62.7                    | 347.8                         | 421,200                                                            | 517,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 60.9                    | 345.0                         | 400,300                                                            | 495,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 59.0                    | 342.0                         | 381,000                                                            | 475,400*                             | 64.7                    | 347.0                         | 351,600                                                            | 455,600*                             |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 57.2                    | 338.7                         | 363,100                                                            | 456,600*                             | 62.9                    | 344.4                         | 335,000                                                            | 437,600*                             |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 55.2                    | 335.2                         | 346,600                                                            | 439,000*                             | 61.1                    | 341.6                         | 319,500                                                            | 420,700*                             |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 53.2                    | 331.5                         | 331,200                                                            | 422,600*                             | 59.2                    | 338.6                         | 305,200                                                            | 404,900*                             |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 51.2                    | 327.5                         | 316,800                                                            | 407,200*                             | 57.3                    | 335.4                         | 291,800                                                            | 390,200*                             |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 49.1                    | 323.1                         | 303,400                                                            | 392,800*                             | 55.4                    | 331.9                         | 279,300                                                            | 376,300*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 46.9                    | 318.5                         | 290,800                                                            | 379,100*                             | 53.4                    | 328.2                         | 267,500                                                            | 363,200*                             | 59.3                    | 333.7                         | 244,500                                                            | 347,400*                             | 165                          |
| 170                          | 44.6                    | 313.4                         | 278,900                                                            | 366,200*                             | 51.4                    | 324.2                         | 256,500                                                            | 350,800*                             | 57.4                    | 330.5                         | 234,300                                                            | 335,600*                             | 170                          |
| 175                          | 42.3                    | 307.9                         | 267,700                                                            | 354,100*                             | 49.3                    | 319.9                         | 246,100                                                            | 339,200*                             | 55.4                    | 327.0                         | 224,700                                                            | 324,400*                             | 175                          |
| 180                          | 39.8                    | 302.0                         | 257,100                                                            | 342,500*                             | 47.1                    | 315.3                         | 236,300                                                            | 328,100*                             | 53.4                    | 323.3                         | 215,500                                                            | 313,800*                             | 180                          |
| 185                          | 37.2                    | 295.4                         | 247,100                                                            | 331,600*                             | 44.8                    | 310.3                         | 227,000                                                            | 317,600*                             | 51.4                    | 319.3                         | 206,900                                                            | 303,700*                             | 185                          |
| 190                          | 34.4                    | 288.2                         | 237,500                                                            | 321,100*                             | 42.5                    | 304.8                         | 218,200                                                            | 307,700*                             | 49.3                    | 315.0                         | 198,800                                                            | 294,200*                             | 190                          |
| 195                          | 31.4                    | 280.2                         | 228,400                                                            | 311,200*                             | 40.0                    | 298.9                         | 209,800                                                            | 298,200*                             | 47.1                    | 310.4                         | 191,000                                                            | 285,100*                             | 195                          |
| 200                          | 28.0                    | 271.0                         | 219,700                                                            | 301,600*                             | 37.4                    | 292.4                         | 201,800                                                            | 289,100*                             | 44.9                    | 305.4                         | 183,600                                                            | 276,400*                             | 200                          |
| 205                          | 24.3                    | 260.3                         | 211,200                                                            | 292,500*                             | 34.6                    | 285.3                         | 194,100                                                            | 280,400*                             | 42.5                    | 299.9                         | 176,600                                                            | 268,200*                             | 205                          |
| 210                          | 19.9                    | 247.3                         | 203,000                                                            | 283,600*                             | 31.7                    | 277.3                         | 186,700                                                            | 272,100*                             | 40.1                    | 294.0                         | 169,800                                                            | 260,300*                             | 210                          |
| 215                          | 14.0                    | 229.8                         | 194,700                                                            | 274,900*                             | 28.4                    | 268.3                         | 179,700                                                            | 264,100*                             | 37.5                    | 287.6                         | 163,400                                                            | 252,700*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      | 24.7                    | 257.8                         | 172,800                                                            | 256,400*                             | 34.7                    | 280.4                         | 157,200                                                            | 245,400*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      | 20.3                    | 245.0                         | 166,000                                                            | 248,900*                             | 31.7                    | 272.5                         | 151,200                                                            | 238,400*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      | 14.7                    | 228.1                         | 159,200                                                            | 241,500*                             | 28.4                    | 263.5                         | 145,400                                                            | 231,700*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      | 2.5                     | 190.2                         | 150,900                                                            | 233,300*                             | 24.7                    | 253.0                         | 139,700                                                            | 225,100*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 20.4                    | 240.3                         | 134,100                                                            | 218,700*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 14.8                    | 223.4                         | 128,400                                                            | 212,300*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 3.3                     | 187.8                         | 121,500                                                            | 205,300*                             | 250                          |

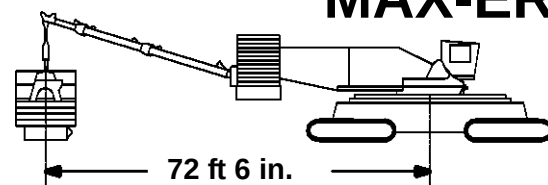
Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 180.0 ft Boom, 200.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 115                          | 68.8                    | 374.6                         | 466,200                                                            | 563,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 67.2                    | 372.5                         | 441,200                                                            | 537,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 65.7                    | 370.2                         | 418,400                                                            | 514,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 64.1                    | 367.7                         | 397,400                                                            | 492,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 62.5                    | 365.1                         | 378,100                                                            | 472,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 60.8                    | 362.3                         | 360,300                                                            | 453,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 59.1                    | 359.3                         | 343,800                                                            | 436,200*                             | 64.2                    | 364.3                         | 316,000                                                            | 417,400*                             |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 57.4                    | 356.1                         | 328,500                                                            | 419,900*                             | 62.6                    | 361.7                         | 301,700                                                            | 401,700*                             |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 55.7                    | 352.7                         | 314,200                                                            | 404,500*                             | 61.0                    | 358.9                         | 288,400                                                            | 387,000*                             |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 53.9                    | 349.0                         | 300,800                                                            | 390,100*                             | 59.3                    | 356.0                         | 275,900                                                            | 373,200*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 52.1                    | 345.1                         | 288,200                                                            | 376,600*                             | 57.6                    | 352.8                         | 264,200                                                            | 360,200*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 50.3                    | 341.0                         | 276,400                                                            | 363,800*                             | 55.9                    | 349.4                         | 253,300                                                            | 347,900*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 48.3                    | 336.5                         | 265,300                                                            | 351,700*                             | 54.1                    | 345.7                         | 242,900                                                            | 336,300*                             | 59.3                    | 351.0                         | 220,800                                                            | 321,100*                             | 175                          |
| 180                          | 46.4                    | 331.8                         | 254,900                                                            | 340,200*                             | 52.3                    | 341.9                         | 233,200                                                            | 325,300*                             | 57.6                    | 347.9                         | 211,800                                                            | 310,500*                             | 180                          |
| 185                          | 44.3                    | 326.7                         | 245,000                                                            | 329,400*                             | 50.4                    | 337.7                         | 224,000                                                            | 314,900*                             | 55.9                    | 344.5                         | 203,300                                                            | 300,500*                             | 185                          |
| 190                          | 42.2                    | 321.2                         | 235,600                                                            | 319,100*                             | 48.5                    | 333.3                         | 215,300                                                            | 305,000*                             | 54.1                    | 340.8                         | 195,200                                                            | 291,100*                             | 190                          |
| 195                          | 40.0                    | 315.2                         | 226,700                                                            | 309,200*                             | 46.5                    | 328.6                         | 207,000                                                            | 295,600*                             | 52.3                    | 337.0                         | 187,500                                                            | 282,100*                             | 195                          |
| 200                          | 37.6                    | 308.8                         | 218,200                                                            | 299,900*                             | 44.5                    | 323.5                         | 199,100                                                            | 286,600*                             | 50.5                    | 332.8                         | 180,200                                                            | 273,500*                             | 200                          |
| 205                          | 35.2                    | 301.8                         | 210,100                                                            | 290,900*                             | 42.4                    | 318.0                         | 191,600                                                            | 278,100*                             | 48.5                    | 328.4                         | 173,300                                                            | 265,300*                             | 205                          |
| 210                          | 32.5                    | 294.0                         | 202,300                                                            | 282,400*                             | 40.2                    | 312.1                         | 184,500                                                            | 269,900*                             | 46.6                    | 323.7                         | 166,700                                                            | 257,500*                             | 210                          |
| 215                          | 29.7                    | 285.4                         | 194,800                                                            | 274,200*                             | 37.8                    | 305.8                         | 177,600                                                            | 262,100*                             | 44.5                    | 318.6                         | 160,400                                                            | 250,000*                             | 215                          |
| 220                          | 26.5                    | 275.7                         | 187,600                                                            | 266,200*                             | 35.4                    | 298.8                         | 171,100                                                            | 254,600*                             | 42.4                    | 313.2                         | 154,300                                                            | 242,900*                             | 220                          |
| 225                          | 23.0                    | 264.3                         | 180,700                                                            | 258,600*                             | 32.8                    | 291.1                         | 164,800                                                            | 247,400*                             | 40.2                    | 307.3                         | 148,500                                                            | 236,000*                             | 225                          |
| 230                          | 18.8                    | 250.5                         | 173,800                                                            | 251,200*                             | 29.9                    | 282.6                         | 158,700                                                            | 240,500*                             | 37.9                    | 300.9                         | 143,000                                                            | 229,400*                             | 230                          |
| 235                          | 13.3                    | 231.9                         | 166,900                                                            | 243,800*                             | 26.8                    | 273.0                         | 152,700                                                            | 233,800*                             | 35.4                    | 294.0                         | 137,600                                                            | 223,100*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      | 23.3                    | 261.8                         | 147,000                                                            | 227,300*                             | 32.8                    | 286.3                         | 132,400                                                            | 216,900*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      | 19.2                    | 248.3                         | 141,300                                                            | 220,900*                             | 30.0                    | 277.8                         | 127,400                                                            | 211,000*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      | 13.9                    | 230.4                         | 135,500                                                            | 214,600*                             | 26.9                    | 268.2                         | 122,500                                                            | 205,300*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 19.3                    | 243.6                         | 112,900                                                            | 194,300*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 3.1                     | 188.1                         | 102,000                                                            | 182,700*                             | 270                          |

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

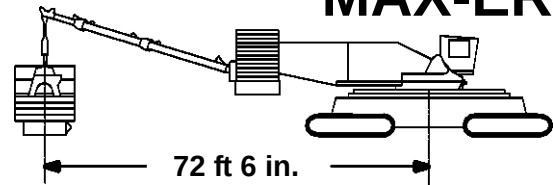
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



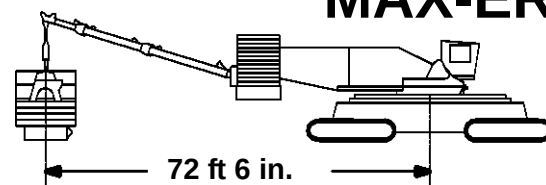
## 180.0 ft Boom, 220.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 120                          | 69.4                    | 394.1                         | 437,000                                                            | 533,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 68.0                    | 392.1                         | 414,100                                                            | 510,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 66.6                    | 389.9                         | 393,200                                                            | 488,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 65.2                    | 387.6                         | 373,900                                                            | 468,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 63.7                    | 385.1                         | 356,100                                                            | 449,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 62.2                    | 382.4                         | 339,600                                                            | 432,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 60.7                    | 379.6                         | 324,300                                                            | 416,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 59.2                    | 376.6                         | 310,000                                                            | 400,700*                             | 63.8                    | 381.7                         | 283,400                                                            | 382,600*                             |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 57.7                    | 373.5                         | 296,700                                                            | 386,300*                             | 62.4                    | 379.0                         | 271,000                                                            | 368,900*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 56.1                    | 370.1                         | 284,200                                                            | 372,800*                             | 60.9                    | 376.2                         | 259,300                                                            | 355,900*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 54.5                    | 366.5                         | 272,400                                                            | 360,100*                             | 59.4                    | 373.3                         | 248,400                                                            | 343,700*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 52.9                    | 362.7                         | 261,400                                                            | 348,100*                             | 57.8                    | 370.1                         | 238,100                                                            | 332,100*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 51.2                    | 358.7                         | 251,000                                                            | 336,700*                             | 56.3                    | 366.8                         | 228,500                                                            | 321,200*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 49.5                    | 354.4                         | 241,100                                                            | 325,900*                             | 54.7                    | 363.2                         | 219,300                                                            | 310,900*                             | 59.4                    | 368.4                         | 197,900                                                            | 296,100*                             | 185                          |
| 190                          | 47.7                    | 349.9                         | 231,800                                                            | 315,600*                             | 53.0                    | 359.5                         | 210,700                                                            | 301,000*                             | 57.8                    | 365.2                         | 189,800                                                            | 286,600*                             | 190                          |
| 195                          | 45.9                    | 345.0                         | 223,000                                                            | 305,900*                             | 51.4                    | 355.4                         | 202,500                                                            | 291,700*                             | 56.3                    | 361.9                         | 182,300                                                            | 277,700*                             | 195                          |
| 200                          | 44.1                    | 339.9                         | 214,600                                                            | 296,600*                             | 49.7                    | 351.2                         | 194,700                                                            | 282,800*                             | 54.7                    | 358.3                         | 175,100                                                            | 269,200*                             | 200                          |
| 205                          | 42.1                    | 334.4                         | 206,600                                                            | 287,800*                             | 47.9                    | 346.7                         | 187,300                                                            | 274,300*                             | 53.1                    | 354.5                         | 168,200                                                            | 261,100*                             | 205                          |
| 210                          | 40.1                    | 328.5                         | 199,000                                                            | 279,300*                             | 46.1                    | 341.9                         | 180,200                                                            | 266,300*                             | 51.4                    | 350.5                         | 161,700                                                            | 253,300*                             | 210                          |
| 215                          | 38.0                    | 322.1                         | 191,700                                                            | 271,200*                             | 44.2                    | 336.8                         | 173,500                                                            | 258,500*                             | 49.7                    | 346.3                         | 155,500                                                            | 245,900*                             | 215                          |
| 220                          | 35.8                    | 315.2                         | 184,700                                                            | 263,500*                             | 42.3                    | 331.3                         | 167,100                                                            | 251,100*                             | 47.9                    | 341.8                         | 149,500                                                            | 238,900*                             | 220                          |
| 225                          | 33.4                    | 307.8                         | 178,000                                                            | 256,000*                             | 40.3                    | 325.4                         | 160,900                                                            | 244,000*                             | 46.1                    | 337.0                         | 143,800                                                            | 232,100*                             | 225                          |
| 230                          | 30.9                    | 299.5                         | 171,600                                                            | 248,900*                             | 38.2                    | 319.1                         | 155,000                                                            | 237,200*                             | 44.3                    | 331.9                         | 138,400                                                            | 225,600*                             | 230                          |
| 235                          | 28.2                    | 290.4                         | 165,400                                                            | 242,000*                             | 36.0                    | 312.3                         | 149,300                                                            | 230,700*                             | 42.3                    | 326.4                         | 133,100                                                            | 219,300*                             | 235                          |
| 240                          | 25.2                    | 280.1                         | 159,400                                                            | 235,300*                             | 33.7                    | 304.8                         | 143,800                                                            | 224,400*                             | 40.3                    | 320.5                         | 128,100                                                            | 213,300*                             | 240                          |
| 245                          | 21.9                    | 268.1                         | 153,500                                                            | 228,900*                             | 31.2                    | 296.7                         | 138,500                                                            | 218,300*                             | 38.2                    | 314.2                         | 123,200                                                            | 207,500*                             | 245                          |
| 250                          | 17.8                    | 253.6                         | 147,700                                                            | 222,500*                             | 28.5                    | 287.6                         | 133,300                                                            | 212,400*                             | 36.0                    | 307.4                         | 118,600                                                            | 201,900*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      | 22.2                    | 265.7                         | 123,400                                                            | 201,100*                             | 31.2                    | 291.9                         | 109,600                                                            | 191,300*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      | 13.2                    | 232.6                         | 113,600                                                            | 190,300*                             | 25.6                    | 272.7                         | 101,200                                                            | 181,400*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 18.3                    | 246.7                         | 92,900                                                             | 171,800*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 2.9                     | 188.3                         | 83,400                                                             | 161,700*                             | 290                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 180.0 ft Boom, 240.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 125                          | 69.9                    | 413.6                         | 411,600                                                            | 497,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 68.7                    | 411.7                         | 390,500                                                            | 484,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 67.4                    | 409.6                         | 371,100                                                            | 464,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 66.1                    | 407.3                         | 353,200                                                            | 446,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 64.7                    | 405.0                         | 336,600                                                            | 428,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 63.4                    | 402.4                         | 321,200                                                            | 412,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 62.1                    | 399.8                         | 306,900                                                            | 397,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 60.7                    | 396.9                         | 293,500                                                            | 382,900*                             | 64.9                    | 401.5                         | 267,200                                                            | 365,100*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 59.3                    | 394.0                         | 280,900                                                            | 369,400*                             | 63.5                    | 399.0                         | 255,600                                                            | 352,200*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 57.9                    | 390.8                         | 269,200                                                            | 356,700*                             | 62.2                    | 396.4                         | 244,600                                                            | 340,000*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 56.4                    | 387.5                         | 258,100                                                            | 344,700*                             | 60.8                    | 393.6                         | 234,300                                                            | 328,500*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 55.0                    | 384.0                         | 247,700                                                            | 333,400*                             | 59.4                    | 390.6                         | 224,600                                                            | 317,600*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 53.5                    | 380.3                         | 237,800                                                            | 322,600*                             | 58.0                    | 387.5                         | 215,500                                                            | 307,300*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 52.0                    | 376.4                         | 228,500                                                            | 312,400*                             | 56.6                    | 384.2                         | 206,900                                                            | 297,500*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 50.4                    | 372.2                         | 219,700                                                            | 302,700*                             | 55.1                    | 380.7                         | 198,700                                                            | 288,200*                             | 59.4                    | 385.7                         | 178,000                                                            | 273,900*                             | 195                          |
| 200                          | 48.9                    | 367.9                         | 211,300                                                            | 293,500*                             | 53.6                    | 377.0                         | 190,900                                                            | 279,300*                             | 58.0                    | 382.6                         | 170,800                                                            | 265,400*                             | 200                          |
| 205                          | 47.2                    | 363.2                         | 203,400                                                            | 284,700*                             | 52.1                    | 373.1                         | 183,500                                                            | 270,900*                             | 56.6                    | 379.2                         | 163,900                                                            | 257,300*                             | 205                          |
| 210                          | 45.6                    | 358.3                         | 195,800                                                            | 276,200*                             | 50.6                    | 369.0                         | 176,500                                                            | 262,900*                             | 55.1                    | 375.8                         | 157,400                                                            | 249,600*                             | 210                          |
| 215                          | 43.8                    | 353.1                         | 188,600                                                            | 268,200*                             | 49.0                    | 364.6                         | 169,800                                                            | 255,200*                             | 53.7                    | 372.1                         | 151,300                                                            | 242,300*                             | 215                          |
| 220                          | 42.1                    | 347.6                         | 181,700                                                            | 260,500*                             | 47.4                    | 360.0                         | 163,400                                                            | 247,800*                             | 52.2                    | 368.2                         | 145,300                                                            | 235,200*                             | 220                          |
| 225                          | 40.2                    | 341.7                         | 175,100                                                            | 253,200*                             | 45.7                    | 355.1                         | 157,300                                                            | 240,800*                             | 50.6                    | 364.1                         | 139,700                                                            | 228,500*                             | 225                          |
| 230                          | 38.3                    | 335.4                         | 168,700                                                            | 246,100*                             | 44.0                    | 350.0                         | 151,400                                                            | 234,000*                             | 49.0                    | 359.7                         | 134,300                                                            | 222,000*                             | 230                          |
| 235                          | 36.3                    | 328.7                         | 162,700                                                            | 239,300*                             | 42.2                    | 344.5                         | 145,800                                                            | 227,500*                             | 47.4                    | 355.1                         | 129,100                                                            | 215,800*                             | 235                          |
| 240                          | 34.2                    | 321.4                         | 156,800                                                            | 232,800*                             | 40.4                    | 338.6                         | 140,400                                                            | 221,300*                             | 45.7                    | 350.3                         | 124,100                                                            | 209,900*                             | 240                          |
| 245                          | 31.9                    | 313.5                         | 151,200                                                            | 226,500*                             | 38.5                    | 332.4                         | 135,200                                                            | 215,300*                             | 44.0                    | 345.1                         | 119,300                                                            | 204,200*                             | 245                          |
| 250                          | 29.5                    | 304.8                         | 145,700                                                            | 220,400*                             | 36.5                    | 325.7                         | 130,200                                                            | 209,500*                             | 42.3                    | 339.6                         | 114,700                                                            | 198,700*                             | 250                          |
| 260                          | 24.1                    | 284.3                         | 135,300                                                            | 208,900*                             | 32.1                    | 310.6                         | 120,700                                                            | 198,600*                             | 38.5                    | 327.5                         | 106,000                                                            | 188,200*                             | 260                          |
| 270                          | 17.0                    | 256.5                         | 125,200                                                            | 197,900*                             | 27.2                    | 292.4                         | 111,800                                                            | 188,300*                             | 34.4                    | 313.6                         | 97,900                                                             | 178,500*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      | 21.2                    | 269.3                         | 103,200                                                            | 178,600*                             | 29.8                    | 297.1                         | 90,200                                                             | 169,300*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      | 12.6                    | 234.7                         | 94,600                                                             | 169,100*                             | 24.4                    | 276.9                         | 82,900                                                             | 160,700*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 17.5                    | 249.7                         | 75,700                                                             | 152,300*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 2.7                     | 188.6                         | 67,200                                                             | 143,400*                             | 310                          |

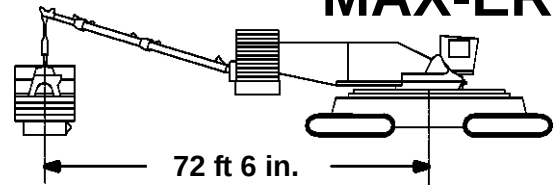
# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



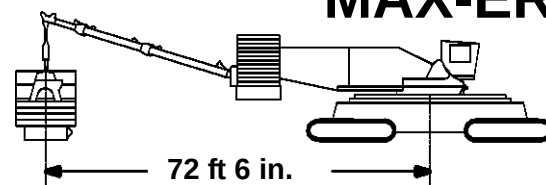
## 180.0 ft Boom, 260.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 135                          | 69.2                    | 431.2                         | 366,700                                                            | 433,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 68.0                    | 429.2                         | 348,800                                                            | 433,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 66.8                    | 427.0                         | 332,200                                                            | 424,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 65.6                    | 424.7                         | 316,800                                                            | 408,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 64.4                    | 422.3                         | 302,400                                                            | 393,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 63.1                    | 419.8                         | 289,100                                                            | 378,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 61.9                    | 417.1                         | 276,500                                                            | 365,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 60.6                    | 414.3                         | 264,800                                                            | 352,800*                             | 64.5                    | 418.9                         | 239,500                                                            | 335,600*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 59.3                    | 411.3                         | 253,700                                                            | 340,900*                             | 63.3                    | 416.4                         | 229,300                                                            | 324,200*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 58.0                    | 408.2                         | 243,300                                                            | 329,500*                             | 62.0                    | 413.7                         | 219,600                                                            | 313,300*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 56.7                    | 404.9                         | 233,500                                                            | 318,800*                             | 60.7                    | 410.9                         | 210,500                                                            | 303,000*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 55.4                    | 401.4                         | 224,200                                                            | 308,600*                             | 59.5                    | 407.9                         | 201,900                                                            | 293,300*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 54.0                    | 397.8                         | 215,400                                                            | 299,000*                             | 58.2                    | 404.8                         | 193,700                                                            | 284,000*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 52.6                    | 394.0                         | 207,100                                                            | 289,800*                             | 56.8                    | 401.5                         | 186,000                                                            | 275,200*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 51.2                    | 389.9                         | 199,200                                                            | 281,000*                             | 55.5                    | 398.1                         | 178,700                                                            | 266,800*                             | 59.5                    | 403.0                         | 158,500                                                            | 252,900*                             | 205                          |
| 210                          | 49.8                    | 385.7                         | 191,700                                                            | 272,700*                             | 54.2                    | 394.5                         | 171,700                                                            | 258,800*                             | 58.2                    | 399.9                         | 152,000                                                            | 245,200*                             | 210                          |
| 215                          | 48.3                    | 381.2                         | 184,500                                                            | 264,700*                             | 52.8                    | 390.7                         | 165,000                                                            | 251,200*                             | 56.9                    | 396.6                         | 145,900                                                            | 237,900*                             | 215                          |
| 220                          | 46.8                    | 376.5                         | 177,600                                                            | 257,000*                             | 51.4                    | 386.7                         | 158,700                                                            | 243,900*                             | 55.5                    | 393.2                         | 140,000                                                            | 230,900*                             | 220                          |
| 225                          | 45.2                    | 371.6                         | 171,100                                                            | 249,700*                             | 49.9                    | 382.5                         | 152,600                                                            | 236,900*                             | 54.2                    | 389.6                         | 134,400                                                            | 224,200*                             | 225                          |
| 230                          | 43.6                    | 366.4                         | 164,800                                                            | 242,700*                             | 48.4                    | 378.0                         | 146,800                                                            | 230,200*                             | 52.8                    | 385.8                         | 129,100                                                            | 217,800*                             | 230                          |
| 235                          | 42.0                    | 360.8                         | 158,800                                                            | 236,000*                             | 46.9                    | 373.4                         | 141,300                                                            | 223,800*                             | 51.4                    | 381.8                         | 124,000                                                            | 211,700*                             | 235                          |
| 240                          | 40.3                    | 355.0                         | 153,100                                                            | 229,500*                             | 45.4                    | 368.4                         | 135,900                                                            | 217,600*                             | 49.9                    | 377.6                         | 119,100                                                            | 205,800*                             | 240                          |
| 245                          | 38.5                    | 348.7                         | 147,500                                                            | 223,300*                             | 43.8                    | 363.2                         | 130,800                                                            | 211,600*                             | 48.5                    | 373.1                         | 114,300                                                            | 200,100*                             | 245                          |
| 250                          | 36.7                    | 342.1                         | 142,200                                                            | 217,300*                             | 42.2                    | 357.7                         | 125,900                                                            | 205,900*                             | 47.0                    | 368.5                         | 109,800                                                            | 194,600*                             | 250                          |
| 260                          | 32.8                    | 327.2                         | 132,100                                                            | 206,000*                             | 38.7                    | 345.7                         | 116,600                                                            | 195,100*                             | 43.8                    | 358.3                         | 101,200                                                            | 184,300*                             | 260                          |
| 270                          | 28.3                    | 309.8                         | 122,600                                                            | 195,400*                             | 35.0                    | 332.0                         | 107,900                                                            | 185,000*                             | 40.5                    | 347.0                         | 93,300                                                             | 174,700*                             | 270                          |
| 280                          | 23.1                    | 288.3                         | 113,600                                                            | 185,400*                             | 30.8                    | 316.1                         | 99,800                                                             | 175,600*                             | 36.9                    | 334.2                         | 85,800                                                             | 165,700*                             | 280                          |
| 290                          | 16.3                    | 259.3                         | 104,900                                                            | 175,800*                             | 26.1                    | 297.0                         | 92,000                                                             | 166,700*                             | 33.0                    | 319.5                         | 78,800                                                             | 157,300*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      | 20.3                    | 272.9                         | 84,600                                                             | 158,200*                             | 28.6                    | 302.2                         | 72,200                                                             | 149,300*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      | 12.0                    | 236.7                         | 77,000                                                             | 149,900*                             | 23.4                    | 281.0                         | 65,800                                                             | 141,700*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 16.8                    | 252.6                         | 59,400                                                             | 134,400*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 2.5                     | 188.9                         | 51,900                                                             | 126,500*                             | 330                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 180.0 ft Boom, 280.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 150                          | 67.5                    | 446.6                         | 313,100                                                            | 375,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 66.3                    | 444.4                         | 298,800                                                            | 371,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 65.2                    | 442.1                         | 285,400                                                            | 362,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 64.1                    | 439.7                         | 272,900                                                            | 352,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 62.9                    | 437.1                         | 261,100                                                            | 343,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 61.8                    | 434.4                         | 250,100                                                            | 333,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 60.6                    | 431.6                         | 239,700                                                            | 323,500*                             | 64.2                    | 436.3                         | 215,500                                                            | 309,800*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 59.4                    | 428.6                         | 229,900                                                            | 313,500*                             | 63.0                    | 433.7                         | 206,400                                                            | 299,600*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 58.2                    | 425.5                         | 220,600                                                            | 303,700*                             | 61.9                    | 431.0                         | 197,800                                                            | 289,900*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 57.0                    | 422.2                         | 211,900                                                            | 293,900*                             | 60.7                    | 428.2                         | 189,700                                                            | 280,700*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 55.7                    | 418.8                         | 203,600                                                            | 284,100*                             | 59.5                    | 425.2                         | 182,000                                                            | 271,900*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 54.5                    | 415.2                         | 195,700                                                            | 274,500*                             | 58.3                    | 422.2                         | 174,700                                                            | 263,500*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 53.2                    | 411.5                         | 188,200                                                            | 265,200*                             | 57.1                    | 418.9                         | 167,700                                                            | 255,500*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 51.9                    | 407.6                         | 181,000                                                            | 256,000*                             | 55.8                    | 415.5                         | 161,100                                                            | 247,900*                             | 59.5                    | 420.3                         | 141,600                                                            | 234,400*                             | 215                          |
| 220                          | 50.6                    | 403.5                         | 174,200                                                            | 247,200*                             | 54.6                    | 412.0                         | 154,800                                                            | 240,700*                             | 58.3                    | 417.2                         | 135,800                                                            | 227,400*                             | 220                          |
| 225                          | 49.2                    | 399.1                         | 167,700                                                            | 238,600*                             | 53.3                    | 408.2                         | 148,800                                                            | 233,700*                             | 57.1                    | 414.0                         | 130,200                                                            | 220,800*                             | 225                          |
| 230                          | 47.8                    | 394.6                         | 161,400                                                            | 230,400*                             | 52.0                    | 404.3                         | 143,000                                                            | 227,000*                             | 55.9                    | 410.6                         | 124,900                                                            | 214,400*                             | 230                          |
| 235                          | 46.4                    | 389.9                         | 155,500                                                            | 222,000*                             | 50.7                    | 400.2                         | 137,500                                                            | 220,600*                             | 54.6                    | 407.0                         | 119,800                                                            | 208,300*                             | 235                          |
| 240                          | 45.0                    | 384.9                         | 149,800                                                            | 214,000*                             | 49.3                    | 395.9                         | 132,200                                                            | 214,500*                             | 53.3                    | 403.3                         | 114,900                                                            | 202,400*                             | 240                          |
| 245                          | 43.5                    | 379.6                         | 144,300                                                            | 206,400*                             | 48.0                    | 391.4                         | 127,100                                                            | 208,600*                             | 52.0                    | 399.4                         | 110,200                                                            | 196,800*                             | 245                          |
| 250                          | 42.0                    | 374.1                         | 139,000                                                            | 199,000*                             | 46.6                    | 386.7                         | 122,200                                                            | 202,900*                             | 50.7                    | 395.3                         | 105,700                                                            | 191,300*                             | 250                          |
| 260                          | 38.8                    | 362.0                         | 129,000                                                            | 184,900*                             | 43.6                    | 376.5                         | 113,000                                                            | 192,200*                             | 48.0                    | 386.5                         | 97,300                                                             | 181,100*                             | 260                          |
| 270                          | 35.3                    | 348.4                         | 119,800                                                            | 171,700*                             | 40.5                    | 365.1                         | 104,500                                                            | 182,200*                             | 45.1                    | 376.8                         | 89,400                                                             | 171,600*                             | 270                          |
| 280                          | 31.5                    | 332.9                         | 111,100                                                            | 159,500*                             | 37.2                    | 352.4                         | 96,500                                                             | 172,900*                             | 42.1                    | 366.1                         | 82,100                                                             | 162,700*                             | 280                          |
| 290                          | 27.3                    | 314.6                         | 102,900                                                            | 148,200*                             | 33.6                    | 338.0                         | 89,000                                                             | 164,100*                             | 38.9                    | 354.1                         | 75,200                                                             | 154,400*                             | 290                          |
| 300                          | 22.2                    | 292.2                         | 95,100                                                             | 137,900*                             | 29.7                    | 321.3                         | 82,000                                                             | 155,700*                             | 35.5                    | 340.6                         | 68,800                                                             | 146,500*                             | 300                          |
| 310                          | 15.7                    | 262.0                         | 87,400                                                             | 129,000*                             | 25.1                    | 301.4                         | 75,200                                                             | 144,800*                             | 31.7                    | 325.2                         | 62,700                                                             | 139,200*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      | 19.5                    | 276.2                         | 68,700                                                             | 135,000*                             | 27.5                    | 307.1                         | 56,800                                                             | 132,200*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      | 11.6                    | 238.6                         | 62,000                                                             | 126,900*                             | 22.5                    | 285.0                         | 51,200                                                             | 125,500*                             | 330                          |
| 340                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 16.1                    | 255.3                         | 45,600                                                             | 119,000*                             | 340                          |
| 350                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 2.4                     | 189.1                         | 38,800                                                             | 111,800*                             | 350                          |

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

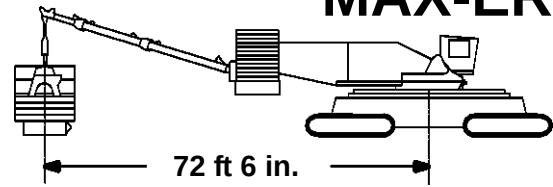
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



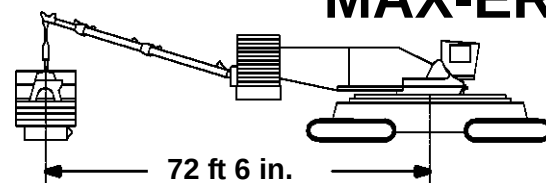
## 180.0 ft Boom, 300.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 190                          | 60.5                    | 448.9                         | 216,900                                                            | 255,200*                             | 63.9                    | 453.6                         | 193,400                                                            | 279,400*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 59.4                    | 445.9                         | 208,100                                                            | 246,100*                             | 62.8                    | 451.0                         | 185,300                                                            | 271,300*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 58.3                    | 442.8                         | 199,700                                                            | 237,300*                             | 61.7                    | 448.4                         | 177,500                                                            | 262,900*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 57.2                    | 439.6                         | 191,800                                                            | 228,600*                             | 60.6                    | 445.5                         | 170,200                                                            | 254,500*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 56.0                    | 436.2                         | 184,300                                                            | 219,900*                             | 59.5                    | 442.6                         | 163,200                                                            | 245,800*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 54.9                    | 432.7                         | 177,100                                                            | 211,500*                             | 58.4                    | 439.5                         | 156,600                                                            | 237,500*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 53.7                    | 429.0                         | 170,300                                                            | 203,500*                             | 57.3                    | 436.3                         | 150,300                                                            | 229,300*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 52.5                    | 425.2                         | 163,700                                                            | 195,600*                             | 56.1                    | 432.9                         | 144,300                                                            | 221,000*                             | 59.6                    | 437.7                         | 125,100                                                            | 216,300*                             | 225                          |
| 230                          | 51.2                    | 421.1                         | 157,500                                                            | 188,000*                             | 55.0                    | 429.4                         | 138,500                                                            | 212,800*                             | 58.4                    | 434.6                         | 119,800                                                            | 210,000*                             | 230                          |
| 235                          | 50.0                    | 417.0                         | 151,500                                                            | 180,500*                             | 53.8                    | 425.7                         | 133,000                                                            | 204,800*                             | 57.3                    | 431.4                         | 114,700                                                            | 203,900*                             | 235                          |
| 240                          | 48.7                    | 412.6                         | 145,800                                                            | 173,300*                             | 52.6                    | 421.9                         | 127,700                                                            | 197,100*                             | 56.1                    | 428.0                         | 109,900                                                            | 198,100*                             | 240                          |
| 245                          | 47.4                    | 408.0                         | 140,400                                                            | 166,300*                             | 51.3                    | 417.9                         | 122,600                                                            | 189,500*                             | 55.0                    | 424.5                         | 105,200                                                            | 192,500*                             | 245                          |
| 250                          | 46.1                    | 403.2                         | 135,100                                                            | 159,500*                             | 50.1                    | 413.7                         | 117,800                                                            | 182,100*                             | 53.8                    | 420.8                         | 100,800                                                            | 187,100*                             | 250                          |
| 260                          | 43.4                    | 392.8                         | 125,200                                                            | 146,500*                             | 47.5                    | 404.8                         | 108,600                                                            | 167,800*                             | 51.4                    | 413.0                         | 92,300                                                             | 176,900*                             | 260                          |
| 270                          | 40.5                    | 381.5                         | 116,000                                                            | 134,400*                             | 44.9                    | 395.0                         | 100,100                                                            | 154,400*                             | 48.9                    | 404.4                         | 84,500                                                             | 167,500*                             | 270                          |
| 280                          | 37.4                    | 368.8                         | 107,400                                                            | 123,100*                             | 42.1                    | 384.2                         | 92,200                                                             | 141,900*                             | 46.2                    | 395.1                         | 77,300                                                             | 158,600*                             | 280                          |
| 290                          | 34.0                    | 354.5                         | 99,400                                                             | 112,500*                             | 39.1                    | 372.2                         | 84,800                                                             | 130,100*                             | 43.5                    | 384.8                         | 70,500                                                             | 148,400*                             | 290                          |
| 300                          | 30.4                    | 338.3                         | 91,800                                                             | 102,600*                             | 35.9                    | 358.9                         | 77,900                                                             | 119,100*                             | 40.6                    | 373.5                         | 64,100                                                             | 136,400*                             | 300                          |
| 310                          | 26.3                    | 319.2                         | 84,700                                                             | 93,500*                              | 32.4                    | 343.8                         | 71,400                                                             | 108,800*                             | 37.5                    | 360.9                         | 58,200                                                             | 125,000*                             | 310                          |
| 320                          | 21.5                    | 296.0                         | 77,800                                                             | 85,100*                              | 28.6                    | 326.4                         | 65,100                                                             | 99,200*                              | 34.2                    | 346.7                         | 52,500                                                             | 114,300*                             | 320                          |
| 330                          | 15.2                    | 264.6                         | 71,000                                                             | 77,600*                              | 24.2                    | 305.7                         | 59,200                                                             | 90,400*                              | 30.6                    | 330.6                         | 47,100                                                             | 104,700*                             | 330                          |
| 340                          |                         |                               |                                                                    |                                      | 18.9                    | 279.5                         | 53,400                                                             | 82,400*                              | 26.5                    | 311.8                         | 41,900                                                             | 95,500*                              | 340                          |
| 350                          |                         |                               |                                                                    |                                      | 11.2                    | 240.5                         | 47,400                                                             | 75,600*                              | 21.7                    | 288.8                         | 36,900                                                             | 86,900*                              | 350                          |
| 360                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 15.6                    | 258.0                         | 31,900                                                             | 79,400*                              | 360                          |
| 370                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 2.3                     | 189.4                         | 25,700                                                             | 74,200*                              | 370                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



21000  
MAX-ER

## 200.0 ft Boom, 120.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 100                          | 63.3                    | 314.7                         | 561,500                                                            | 661,400*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 100                          |
| 105                          | 60.5                    | 311.8                         | 528,200                                                            | 628,100*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          | 57.7                    | 308.6                         | 498,200                                                            | 597,800*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 54.8                    | 305.1                         | 470,900                                                            | 570,000*b                            | 64.4                    | 311.8                         | 434,800                                                            | 545,800*b                            |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 51.7                    | 301.1                         | 446,100                                                            | 544,400*                             | 61.7                    | 309.1                         | 411,800                                                            | 521,300*b                            |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 48.5                    | 296.7                         | 423,300                                                            | 520,700*                             | 58.9                    | 306.1                         | 390,700                                                            | 498,800*b                            |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 45.2                    | 291.8                         | 402,200                                                            | 498,800*                             | 56.0                    | 302.7                         | 371,300                                                            | 477,800*b                            |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 41.6                    | 286.2                         | 382,800                                                            | 478,400*                             | 53.0                    | 298.9                         | 353,400                                                            | 458,400*b                            |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 37.7                    | 279.8                         | 364,600                                                            | 459,400*                             | 49.9                    | 294.7                         | 336,800                                                            | 440,300*                             | 59.9                    | 301.7                         | 308,400                                                            | 420,900*b                            | 140                          |
| 145                          | 33.5                    | 272.4                         | 347,700                                                            | 441,500*                             | 46.7                    | 290.0                         | 321,300                                                            | 423,300*                             | 57.1                    | 298.4                         | 294,200                                                            | 404,800*b                            | 145                          |
| 150                          | 28.6                    | 263.5                         | 331,700                                                            | 424,600*                             | 43.2                    | 284.7                         | 306,800                                                            | 407,400*                             | 54.1                    | 294.8                         | 281,000                                                            | 389,700*b                            | 150                          |
| 155                          | 22.7                    | 252.3                         | 316,300                                                            | 408,500*                             | 39.4                    | 278.6                         | 293,200                                                            | 392,400*                             | 51.0                    | 290.7                         | 268,600                                                            | 375,400*                             | 155                          |
| 160                          | 14.6                    | 236.1                         | 301,200                                                            | 393,000*                             | 35.4                    | 271.7                         | 280,400                                                            | 378,300*                             | 47.8                    | 286.2                         | 256,900                                                            | 362,000*                             | 160                          |
| 165                          |                         |                               |                                                                    |                                      | 30.8                    | 263.6                         | 268,100                                                            | 364,800*                             | 44.4                    | 281.1                         | 245,900                                                            | 349,400*                             | 165                          |
| 170                          |                         |                               |                                                                    |                                      | 25.4                    | 253.5                         | 256,400                                                            | 352,000*                             | 40.8                    | 275.4                         | 235,500                                                            | 337,400*                             | 170                          |
| 175                          |                         |                               |                                                                    |                                      | 18.6                    | 240.1                         | 244,800                                                            | 339,600*                             | 36.8                    | 268.8                         | 225,600                                                            | 326,000*                             | 175                          |
| 180                          |                         |                               |                                                                    |                                      | 5.3                     | 212.7                         | 231,900                                                            | 326,500*                             | 32.4                    | 261.1                         | 216,100                                                            | 315,100*                             | 180                          |
| 185                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 27.4                    | 251.8                         | 206,900                                                            | 304,700*                             | 185                          |
| 190                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 21.2                    | 239.9                         | 197,900                                                            | 294,600*                             | 190                          |
| 195                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 12.0                    | 221.3                         | 188,400                                                            | 284,400*                             | 195                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

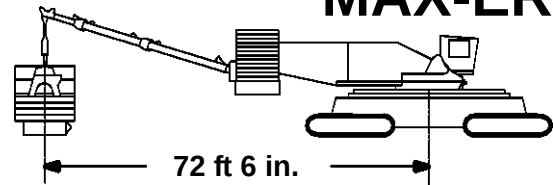
# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 200.0 ft Boom, 140.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 100                          | 67.4                    | 337.0                         | 558,400                                                            | 657,500 <b>b</b>                     |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 100                          |
| 105                          | 65.1                    | 334.6                         | 525,200                                                            | 624,400 <b>b</b>                     |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          | 62.8                    | 332.0                         | 495,300                                                            | 594,300 <b>b</b>                     |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 60.4                    | 329.1                         | 468,200                                                            | 566,600 <b>b</b>                     |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 58.0                    | 326.0                         | 443,400                                                            | 541,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 55.5                    | 322.6                         | 420,800                                                            | 517,700*                             | 63.8                    | 329.1                         | 386,400                                                            | 494,600 <b>b</b>                     |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 53.0                    | 318.8                         | 400,000                                                            | 496,000*                             | 61.5                    | 326.4                         | 367,200                                                            | 473,900 <b>b</b>                     |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 50.3                    | 314.6                         | 380,800                                                            | 475,800*                             | 59.1                    | 323.4                         | 349,500                                                            | 454,600 <b>b</b>                     |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 47.5                    | 310.1                         | 363,000                                                            | 457,000*                             | 56.6                    | 320.1                         | 333,100                                                            | 436,600*                             |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 44.6                    | 305.0                         | 346,500                                                            | 439,400*                             | 54.1                    | 316.5                         | 317,800                                                            | 419,900*                             |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 41.6                    | 299.4                         | 331,000                                                            | 422,900*                             | 51.5                    | 312.5                         | 303,600                                                            | 404,200*                             | 59.9                    | 319.0                         | 276,200                                                            | 385,400 <b>b</b>                     | 150                          |
| 155                          | 38.3                    | 293.1                         | 316,500                                                            | 407,400*                             | 48.8                    | 308.1                         | 290,300                                                            | 389,400*                             | 57.5                    | 315.8                         | 264,000                                                            | 371,300*                             | 155                          |
| 160                          | 34.7                    | 286.0                         | 302,900                                                            | 392,800*                             | 45.9                    | 303.2                         | 277,900                                                            | 375,500*                             | 55.0                    | 312.3                         | 252,500                                                            | 358,100*                             | 160                          |
| 165                          | 30.8                    | 277.8                         | 289,900                                                            | 379,000*                             | 42.9                    | 297.9                         | 266,100                                                            | 362,500*                             | 52.4                    | 308.4                         | 241,800                                                            | 345,700*                             | 165                          |
| 170                          | 26.3                    | 268.1                         | 277,600                                                            | 365,800*                             | 39.7                    | 291.9                         | 255,000                                                            | 350,100*                             | 49.7                    | 304.2                         | 231,700                                                            | 333,900*                             | 170                          |
| 175                          | 20.9                    | 255.9                         | 265,700                                                            | 353,100*                             | 36.3                    | 285.2                         | 244,500                                                            | 338,300*                             | 46.9                    | 299.5                         | 222,100                                                            | 322,700*                             | 175                          |
| 180                          | 13.4                    | 238.2                         | 253,700                                                            | 340,800*                             | 32.6                    | 277.5                         | 234,500                                                            | 327,100*                             | 44.0                    | 294.3                         | 213,100                                                            | 312,200*                             | 180                          |
| 185                          |                         |                               |                                                                    |                                      | 28.3                    | 268.5                         | 224,900                                                            | 316,400*                             | 40.9                    | 288.6                         | 204,500                                                            | 302,100*                             | 185                          |
| 190                          |                         |                               |                                                                    |                                      | 23.4                    | 257.6                         | 215,500                                                            | 306,100*                             | 37.5                    | 282.2                         | 196,200                                                            | 292,500*                             | 190                          |
| 195                          |                         |                               |                                                                    |                                      | 17.1                    | 243.0                         | 206,200                                                            | 296,100*                             | 33.9                    | 274.8                         | 188,400                                                            | 283,400*                             | 195                          |
| 200                          |                         |                               |                                                                    |                                      | 4.7                     | 213.2                         | 195,600                                                            | 285,400*                             | 29.9                    | 266.4                         | 180,700                                                            | 274,600*                             | 200                          |
| 205                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 25.2                    | 256.2                         | 173,300                                                            | 266,000*                             | 205                          |
| 210                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 19.5                    | 243.2                         | 166,000                                                            | 257,700*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 11.0                    | 223.0                         | 158,200                                                            | 249,300*                             | 215                          |

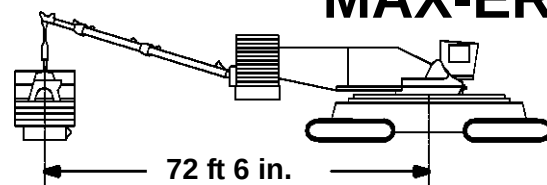
Capacities indicated by **(b)** require  
37,000 lb minimum weight suspended  
beneath luffing jib point.



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



21000  
MAX-ER

## 200.0 ft Boom, 160.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 105                          | 68.4                    | 356.6                         | 524,100                                                            | 621,500*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          | 66.5                    | 354.4                         | 494,100                                                            | 591,500*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 64.5                    | 352.0                         | 466,900                                                            | 563,900*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 62.5                    | 349.3                         | 442,200                                                            | 538,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 60.4                    | 346.5                         | 419,500                                                            | 515,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 58.3                    | 343.4                         | 398,800                                                            | 493,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 56.1                    | 340.0                         | 379,600                                                            | 473,600*                             | 63.3                    | 346.5                         | 347,000                                                            | 451,600*                             |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 53.9                    | 336.3                         | 361,900                                                            | 454,900*                             | 61.3                    | 343.7                         | 330,700                                                            | 433,700*                             |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 51.6                    | 332.4                         | 345,500                                                            | 437,400*                             | 59.2                    | 340.7                         | 315,500                                                            | 417,100*                             |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 49.3                    | 328.1                         | 330,200                                                            | 421,100*                             | 57.1                    | 337.5                         | 301,400                                                            | 401,500*                             |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 46.8                    | 323.4                         | 315,900                                                            | 405,800*                             | 54.9                    | 333.9                         | 288,200                                                            | 386,900*                             |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 44.2                    | 318.2                         | 302,400                                                            | 391,400*                             | 52.6                    | 330.1                         | 275,900                                                            | 373,100*                             | 59.9                    | 336.3                         | 249,500                                                            | 355,000*                             | 160                          |
| 165                          | 41.5                    | 312.6                         | 289,800                                                            | 377,800*                             | 50.3                    | 326.0                         | 264,300                                                            | 360,200*                             | 57.8                    | 333.1                         | 238,800                                                            | 342,700*                             | 165                          |
| 170                          | 38.7                    | 306.5                         | 278,000                                                            | 364,900*                             | 47.9                    | 321.4                         | 253,400                                                            | 348,000*                             | 55.6                    | 329.7                         | 228,800                                                            | 331,000*                             | 170                          |
| 175                          | 35.6                    | 299.6                         | 266,700                                                            | 352,700*                             | 45.4                    | 316.5                         | 243,100                                                            | 336,400*                             | 53.4                    | 326.0                         | 219,400                                                            | 320,000*                             | 175                          |
| 180                          | 32.3                    | 291.8                         | 256,000                                                            | 341,100*                             | 42.7                    | 311.1                         | 233,400                                                            | 325,400*                             | 51.1                    | 322.0                         | 210,500                                                            | 309,600*                             | 180                          |
| 185                          | 28.7                    | 282.9                         | 245,800                                                            | 330,100*                             | 39.9                    | 305.2                         | 224,100                                                            | 315,000*                             | 48.7                    | 317.6                         | 202,100                                                            | 299,700*                             | 185                          |
| 190                          | 24.5                    | 272.4                         | 236,000                                                            | 319,500*                             | 37.0                    | 298.6                         | 215,400                                                            | 305,100*                             | 46.2                    | 312.8                         | 194,100                                                            | 290,300*                             | 190                          |
| 195                          | 19.5                    | 259.2                         | 226,400                                                            | 309,300*                             | 33.8                    | 291.3                         | 206,900                                                            | 295,600*                             | 43.7                    | 307.6                         | 186,500                                                            | 281,300*                             | 195                          |
| 200                          | 12.4                    | 240.2                         | 216,700                                                            | 299,200*                             | 30.3                    | 282.9                         | 198,900                                                            | 286,500*                             | 40.9                    | 301.8                         | 179,200                                                            | 272,700*                             | 200                          |
| 205                          |                         |                               |                                                                    |                                      | 26.4                    | 273.2                         | 191,100                                                            | 277,800*                             | 38.0                    | 295.5                         | 172,300                                                            | 264,500*                             | 205                          |
| 210                          |                         |                               |                                                                    |                                      | 21.8                    | 261.3                         | 183,500                                                            | 269,300*                             | 35.0                    | 288.4                         | 165,600                                                            | 256,700*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      | 15.9                    | 245.6                         | 175,800                                                            | 261,000*                             | 31.6                    | 280.5                         | 159,200                                                            | 249,100*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      | 4.3                     | 213.7                         | 167,000                                                            | 252,100*                             | 27.8                    | 271.2                         | 152,900                                                            | 241,900*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 23.5                    | 260.3                         | 146,800                                                            | 234,800*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 18.2                    | 246.3                         | 140,600                                                            | 227,800*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 10.2                    | 224.6                         | 134,100                                                            | 220,700*                             | 235                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

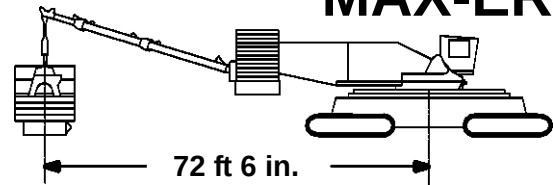
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 200.0 ft Boom, 180.0 ft Luffing Jib

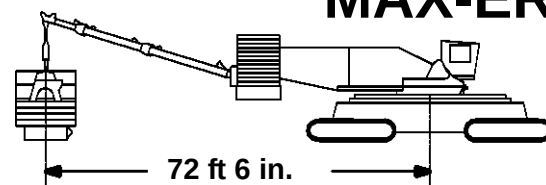
| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 110                          | 69.2                    | 376.1                         | 490,000                                                            | 587,200*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 67.5                    | 374.0                         | 462,900                                                            | 559,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 65.8                    | 371.8                         | 438,200                                                            | 534,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 64.0                    | 369.3                         | 415,600                                                            | 511,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 62.2                    | 366.6                         | 394,900                                                            | 489,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 60.3                    | 363.8                         | 375,800                                                            | 469,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 58.5                    | 360.7                         | 358,100                                                            | 451,200*                             | 64.7                    | 366.4                         | 325,700                                                            | 429,300*                             |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 56.6                    | 357.4                         | 341,800                                                            | 433,800*                             | 63.0                    | 363.8                         | 310,600                                                            | 412,700*                             |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 54.6                    | 353.8                         | 326,500                                                            | 417,600*                             | 61.1                    | 361.0                         | 296,600                                                            | 397,200*                             |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 52.6                    | 350.0                         | 312,300                                                            | 402,300*                             | 59.3                    | 358.0                         | 283,500                                                            | 382,700*                             |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 50.5                    | 345.9                         | 299,000                                                            | 388,000*                             | 57.4                    | 354.8                         | 271,300                                                            | 369,000*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 48.4                    | 341.5                         | 286,600                                                            | 374,500*                             | 55.5                    | 351.4                         | 259,800                                                            | 356,200*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 46.2                    | 336.7                         | 274,900                                                            | 361,800*                             | 53.5                    | 347.7                         | 249,000                                                            | 344,100*                             | 59.9                    | 353.6                         | 223,400                                                            | 326,500*                             | 170                          |
| 175                          | 43.9                    | 331.5                         | 263,800                                                            | 349,800*                             | 51.4                    | 343.7                         | 238,900                                                            | 332,600*                             | 58.1                    | 350.5                         | 214,100                                                            | 315,500*                             | 175                          |
| 180                          | 41.5                    | 325.9                         | 253,400                                                            | 338,400*                             | 49.3                    | 339.4                         | 229,300                                                            | 321,700*                             | 56.1                    | 347.1                         | 205,300                                                            | 305,200*                             | 180                          |
| 185                          | 39.0                    | 319.7                         | 243,500                                                            | 327,600*                             | 47.2                    | 334.8                         | 220,200                                                            | 311,400*                             | 54.2                    | 343.5                         | 197,000                                                            | 295,400*                             | 185                          |
| 190                          | 36.3                    | 313.0                         | 234,000                                                            | 317,300*                             | 44.9                    | 329.8                         | 211,600                                                            | 301,700*                             | 52.2                    | 339.6                         | 189,200                                                            | 286,100*                             | 190                          |
| 195                          | 33.5                    | 305.6                         | 225,100                                                            | 307,400*                             | 42.6                    | 324.3                         | 203,400                                                            | 292,300*                             | 50.1                    | 335.4                         | 181,700                                                            | 277,200*                             | 195                          |
| 200                          | 30.4                    | 297.2                         | 216,500                                                            | 298,000*                             | 40.1                    | 318.4                         | 195,600                                                            | 283,500*                             | 47.9                    | 330.9                         | 174,600                                                            | 268,800*                             | 200                          |
| 205                          | 27.0                    | 287.6                         | 208,200                                                            | 289,000*                             | 37.5                    | 312.0                         | 188,200                                                            | 275,000*                             | 45.7                    | 326.1                         | 167,800                                                            | 260,800*                             | 205                          |
| 210                          | 23.0                    | 276.4                         | 200,200                                                            | 280,300*                             | 34.7                    | 304.9                         | 181,000                                                            | 266,800*                             | 43.4                    | 320.8                         | 161,400                                                            | 253,100*                             | 210                          |
| 215                          | 18.3                    | 262.3                         | 192,400                                                            | 271,900*                             | 31.8                    | 296.9                         | 174,200                                                            | 259,000*                             | 41.0                    | 315.1                         | 155,200                                                            | 245,700*                             | 215                          |
| 220                          | 11.7                    | 242.1                         | 184,300                                                            | 263,500*                             | 28.5                    | 287.9                         | 167,600                                                            | 251,500*                             | 38.4                    | 308.8                         | 149,200                                                            | 238,600*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      | 24.8                    | 277.5                         | 161,100                                                            | 244,200*                             | 35.7                    | 301.9                         | 143,500                                                            | 231,800*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      | 20.5                    | 264.8                         | 154,800                                                            | 237,200*                             | 32.8                    | 294.3                         | 138,000                                                            | 225,300*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      | 14.9                    | 248.1                         | 148,400                                                            | 230,200*                             | 29.7                    | 285.7                         | 132,700                                                            | 219,000*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      | 4.0                     | 214.2                         | 140,900                                                            | 222,600*                             | 26.1                    | 275.8                         | 127,400                                                            | 212,800*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 22.1                    | 264.1                         | 122,300                                                            | 206,800*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 17.1                    | 249.1                         | 117,100                                                            | 200,900*                             | 250                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 200.0 ft Boom, 200.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 115                          | 69.9                    | 395.6                         | 459,900                                                            | 556,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 68.3                    | 393.6                         | 435,100                                                            | 531,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 66.8                    | 391.5                         | 412,600                                                            | 508,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 65.2                    | 389.1                         | 391,800                                                            | 486,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 63.6                    | 386.6                         | 372,800                                                            | 466,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 62.0                    | 384.0                         | 355,100                                                            | 448,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 60.3                    | 381.1                         | 338,800                                                            | 430,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 58.6                    | 378.0                         | 323,600                                                            | 414,700*                             | 64.3                    | 383.7                         | 292,900                                                            | 393,800*                             |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 56.9                    | 374.8                         | 309,500                                                            | 399,500*                             | 62.7                    | 381.1                         | 279,800                                                            | 379,400*                             |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 55.2                    | 371.3                         | 296,300                                                            | 385,300*                             | 61.0                    | 378.4                         | 267,700                                                            | 365,800*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 53.4                    | 367.6                         | 283,900                                                            | 371,900*                             | 59.4                    | 375.4                         | 256,300                                                            | 353,000*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 51.6                    | 363.6                         | 272,200                                                            | 359,200*                             | 57.7                    | 372.2                         | 245,500                                                            | 341,000*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 49.7                    | 359.3                         | 261,300                                                            | 347,300*                             | 55.9                    | 368.8                         | 235,500                                                            | 329,600*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 47.7                    | 354.8                         | 250,900                                                            | 336,000*                             | 54.2                    | 365.2                         | 226,000                                                            | 318,800*                             | 59.9                    | 371.0                         | 201,300                                                            | 301,800*                             | 180                          |
| 185                          | 45.7                    | 349.9                         | 241,100                                                            | 325,200*                             | 52.4                    | 361.3                         | 217,000                                                            | 308,600*                             | 58.3                    | 367.8                         | 193,100                                                            | 292,100*                             | 185                          |
| 190                          | 43.7                    | 344.7                         | 231,900                                                            | 315,000*                             | 50.5                    | 357.2                         | 208,500                                                            | 298,800*                             | 56.5                    | 364.5                         | 185,300                                                            | 282,800*                             | 190                          |
| 195                          | 41.5                    | 339.1                         | 223,100                                                            | 305,300*                             | 48.6                    | 352.8                         | 200,400                                                            | 289,600*                             | 54.8                    | 361.0                         | 177,900                                                            | 274,000*                             | 195                          |
| 200                          | 39.3                    | 333.0                         | 214,700                                                            | 296,100*                             | 46.6                    | 348.1                         | 192,700                                                            | 280,800*                             | 53.0                    | 357.2                         | 170,900                                                            | 265,700*                             | 200                          |
| 205                          | 36.9                    | 326.4                         | 206,700                                                            | 287,300*                             | 44.6                    | 343.0                         | 185,400                                                            | 272,400*                             | 51.2                    | 353.2                         | 164,300                                                            | 257,700*                             | 205                          |
| 210                          | 34.4                    | 319.2                         | 199,100                                                            | 278,800*                             | 42.5                    | 337.6                         | 178,400                                                            | 264,400*                             | 49.3                    | 348.9                         | 157,900                                                            | 250,100*                             | 210                          |
| 215                          | 31.7                    | 311.2                         | 191,700                                                            | 270,700*                             | 40.3                    | 331.7                         | 171,800                                                            | 256,800*                             | 47.3                    | 344.3                         | 151,800                                                            | 242,800*                             | 215                          |
| 220                          | 28.7                    | 302.3                         | 184,700                                                            | 262,900*                             | 37.9                    | 325.3                         | 165,400                                                            | 249,400*                             | 45.3                    | 339.3                         | 146,000                                                            | 235,800*                             | 220                          |
| 225                          | 25.5                    | 292.1                         | 177,800                                                            | 255,400*                             | 35.5                    | 318.4                         | 159,300                                                            | 242,300*                             | 43.2                    | 334.0                         | 140,500                                                            | 229,100*                             | 225                          |
| 230                          | 21.8                    | 280.1                         | 171,200                                                            | 248,100*                             | 32.9                    | 310.7                         | 153,400                                                            | 235,600*                             | 41.0                    | 328.3                         | 135,100                                                            | 222,700*                             | 230                          |
| 235                          | 17.3                    | 265.3                         | 164,600                                                            | 241,000*                             | 30.0                    | 302.2                         | 147,600                                                            | 229,000*                             | 38.8                    | 322.1                         | 130,000                                                            | 216,600*                             | 235                          |
| 240                          | 11.0                    | 243.9                         | 157,800                                                            | 233,900*                             | 26.9                    | 292.7                         | 142,100                                                            | 222,700*                             | 36.4                    | 315.4                         | 125,000                                                            | 210,600*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      | 23.5                    | 281.6                         | 136,700                                                            | 216,500*                             | 33.8                    | 308.0                         | 120,200                                                            | 204,900*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      | 19.4                    | 268.1                         | 131,300                                                            | 210,500*                             | 31.1                    | 299.8                         | 115,600                                                            | 199,300*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      | 3.7                     | 214.6                         | 119,400                                                            | 198,000*                             | 24.7                    | 280.1                         | 106,600                                                            | 188,700*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 16.1                    | 251.9                         | 97,800                                                             | 178,500*                             | 270                          |

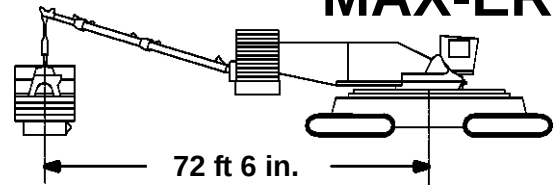
# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



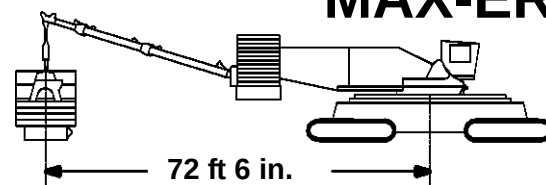
## 200.0 ft Boom, 220.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 125                          | 69.0                    | 413.2                         | 409,300                                                            | 503,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 67.6                    | 411.1                         | 388,400                                                            | 482,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 66.2                    | 408.9                         | 369,300                                                            | 462,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 64.7                    | 406.5                         | 351,600                                                            | 444,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 63.3                    | 404.0                         | 335,200                                                            | 426,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 61.8                    | 401.3                         | 320,000                                                            | 410,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 60.3                    | 398.4                         | 305,800                                                            | 395,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 58.8                    | 395.4                         | 292,600                                                            | 381,400*                             | 63.9                    | 401.1                         | 263,000                                                            | 361,300*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 57.2                    | 392.1                         | 280,200                                                            | 368,000*                             | 62.4                    | 398.5                         | 251,600                                                            | 348,600*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 55.6                    | 388.7                         | 268,600                                                            | 355,400*                             | 60.9                    | 395.7                         | 241,000                                                            | 336,600*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 54.0                    | 385.1                         | 257,600                                                            | 343,500*                             | 59.4                    | 392.7                         | 230,900                                                            | 325,300*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 52.4                    | 381.2                         | 247,300                                                            | 332,300*                             | 57.9                    | 389.6                         | 221,400                                                            | 314,500*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 50.7                    | 377.1                         | 237,500                                                            | 321,600*                             | 56.3                    | 386.2                         | 212,500                                                            | 304,400*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 49.0                    | 372.8                         | 228,300                                                            | 311,500*                             | 54.7                    | 382.7                         | 204,000                                                            | 294,700*                             | 59.9                    | 388.3                         | 180,000                                                            | 278,200*                             | 190                          |
| 195                          | 47.2                    | 368.1                         | 219,600                                                            | 301,900*                             | 53.1                    | 378.9                         | 196,000                                                            | 285,600*                             | 58.4                    | 385.2                         | 172,700                                                            | 269,500*                             | 195                          |
| 200                          | 45.4                    | 363.2                         | 211,300                                                            | 292,700*                             | 51.4                    | 374.9                         | 188,400                                                            | 276,800*                             | 56.9                    | 381.9                         | 165,700                                                            | 261,200*                             | 200                          |
| 205                          | 43.5                    | 358.0                         | 203,400                                                            | 283,900*                             | 49.7                    | 370.7                         | 181,100                                                            | 268,500*                             | 55.3                    | 378.4                         | 159,100                                                            | 253,300*                             | 205                          |
| 210                          | 41.5                    | 352.3                         | 195,800                                                            | 275,600*                             | 48.0                    | 366.2                         | 174,200                                                            | 260,600*                             | 53.7                    | 374.8                         | 152,800                                                            | 245,700*                             | 210                          |
| 215                          | 39.5                    | 346.3                         | 188,600                                                            | 267,600*                             | 46.2                    | 361.4                         | 167,600                                                            | 253,000*                             | 52.0                    | 370.8                         | 146,800                                                            | 238,500*                             | 215                          |
| 220                          | 37.3                    | 339.8                         | 181,700                                                            | 260,000*                             | 44.3                    | 356.2                         | 161,300                                                            | 245,700*                             | 50.3                    | 366.7                         | 141,100                                                            | 231,600*                             | 220                          |
| 225                          | 35.1                    | 332.7                         | 175,100                                                            | 252,600*                             | 42.4                    | 350.8                         | 155,300                                                            | 238,800*                             | 48.6                    | 362.3                         | 135,600                                                            | 225,000*                             | 225                          |
| 230                          | 32.7                    | 325.0                         | 168,800                                                            | 245,600*                             | 40.4                    | 344.9                         | 149,500                                                            | 232,100*                             | 46.8                    | 357.6                         | 130,400                                                            | 218,700*                             | 230                          |
| 235                          | 30.1                    | 316.5                         | 162,700                                                            | 238,800*                             | 38.3                    | 338.6                         | 144,000                                                            | 225,700*                             | 45.0                    | 352.6                         | 125,300                                                            | 212,600*                             | 235                          |
| 240                          | 27.3                    | 307.1                         | 156,700                                                            | 232,200*                             | 36.1                    | 331.8                         | 138,700                                                            | 219,500*                             | 43.0                    | 347.2                         | 120,500                                                            | 206,700*                             | 240                          |
| 245                          | 24.2                    | 296.3                         | 151,000                                                            | 225,900*                             | 33.7                    | 324.4                         | 133,500                                                            | 213,500*                             | 41.1                    | 341.5                         | 115,800                                                            | 201,100*                             | 245                          |
| 250                          | 20.7                    | 283.7                         | 145,300                                                            | 219,700*                             | 31.3                    | 316.3                         | 128,500                                                            | 207,800*                             | 39.0                    | 335.4                         | 111,300                                                            | 195,700*                             | 250                          |
| 260                          | 10.4                    | 245.6                         | 133,900                                                            | 207,500*                             | 25.6                    | 297.2                         | 119,000                                                            | 196,800*                             | 34.6                    | 321.6                         | 102,800                                                            | 185,400*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      | 18.4                    | 271.3                         | 109,700                                                            | 186,400*                             | 29.5                    | 305.1                         | 94,800                                                             | 175,700*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      | 3.5                     | 215.0                         | 99,300                                                             | 175,500*                             | 23.5                    | 284.2                         | 87,000                                                             | 166,600*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 15.3                    | 254.5                         | 79,400                                                             | 157,700*                             | 290                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 200.0 ft Boom, 240.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 130                          | 69.6                    | 432.7                         | 384,600                                                            | 466,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 68.3                    | 430.7                         | 365,400                                                            | 458,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 67.0                    | 428.6                         | 347,700                                                            | 440,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 65.7                    | 426.3                         | 331,300                                                            | 423,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 64.3                    | 423.9                         | 316,100                                                            | 407,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 63.0                    | 421.3                         | 301,900                                                            | 392,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 61.6                    | 418.6                         | 288,600                                                            | 377,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 60.3                    | 415.8                         | 276,300                                                            | 364,500*                             | 64.9                    | 420.9                         | 247,100                                                            | 344,700*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 58.9                    | 412.7                         | 264,600                                                            | 352,000*                             | 63.6                    | 418.4                         | 236,500                                                            | 332,800*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 57.4                    | 409.5                         | 253,700                                                            | 340,100*                             | 62.2                    | 415.8                         | 226,400                                                            | 321,500*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 56.0                    | 406.1                         | 243,400                                                            | 328,900*                             | 60.9                    | 413.0                         | 217,000                                                            | 310,800*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 54.5                    | 402.6                         | 233,700                                                            | 318,300*                             | 59.5                    | 410.0                         | 208,100                                                            | 300,700*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 53.0                    | 398.8                         | 224,500                                                            | 308,200*                             | 58.1                    | 406.9                         | 199,600                                                            | 291,100*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 51.5                    | 394.8                         | 215,800                                                            | 298,600*                             | 56.6                    | 403.6                         | 191,600                                                            | 281,900*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 50.0                    | 390.6                         | 207,500                                                            | 289,500*                             | 55.2                    | 400.1                         | 184,100                                                            | 273,200*                             | 60.0                    | 405.6                         | 161,000                                                            | 257,300*                             | 200                          |
| 205                          | 48.4                    | 386.2                         | 199,700                                                            | 280,800*                             | 53.7                    | 396.4                         | 176,900                                                            | 265,000*                             | 58.6                    | 402.5                         | 154,400                                                            | 249,400*                             | 205                          |
| 210                          | 46.7                    | 381.5                         | 192,200                                                            | 272,500*                             | 52.2                    | 392.5                         | 170,000                                                            | 257,100*                             | 57.1                    | 399.3                         | 148,100                                                            | 241,900*                             | 210                          |
| 215                          | 45.0                    | 376.5                         | 185,100                                                            | 264,500*                             | 50.6                    | 388.4                         | 163,500                                                            | 249,500*                             | 55.7                    | 395.9                         | 142,200                                                            | 234,700*                             | 215                          |
| 220                          | 43.3                    | 371.2                         | 178,300                                                            | 256,900*                             | 49.1                    | 384.1                         | 157,200                                                            | 242,300*                             | 54.2                    | 392.2                         | 136,500                                                            | 227,900*                             | 220                          |
| 225                          | 41.5                    | 365.5                         | 171,700                                                            | 249,700*                             | 47.4                    | 379.5                         | 151,300                                                            | 235,400*                             | 52.7                    | 388.4                         | 131,100                                                            | 221,300*                             | 225                          |
| 230                          | 39.6                    | 359.5                         | 165,500                                                            | 242,700*                             | 45.8                    | 374.6                         | 145,600                                                            | 228,800*                             | 51.2                    | 384.4                         | 125,900                                                            | 215,000*                             | 230                          |
| 235                          | 37.7                    | 353.1                         | 159,500                                                            | 236,000*                             | 44.1                    | 369.5                         | 140,100                                                            | 222,400*                             | 49.6                    | 380.1                         | 120,900                                                            | 209,000*                             | 235                          |
| 240                          | 35.7                    | 346.2                         | 153,800                                                            | 229,500*                             | 42.3                    | 364.0                         | 134,900                                                            | 216,300*                             | 48.0                    | 375.6                         | 116,100                                                            | 203,200*                             | 240                          |
| 245                          | 33.5                    | 338.7                         | 148,200                                                            | 223,300*                             | 40.4                    | 358.2                         | 129,800                                                            | 210,400*                             | 46.4                    | 370.9                         | 111,500                                                            | 197,600*                             | 245                          |
| 250                          | 31.2                    | 330.6                         | 142,800                                                            | 217,300*                             | 38.5                    | 351.9                         | 124,900                                                            | 204,800*                             | 44.7                    | 365.8                         | 107,100                                                            | 192,200*                             | 250                          |
| 260                          | 26.1                    | 311.7                         | 132,600                                                            | 205,900*                             | 34.4                    | 338.0                         | 115,700                                                            | 194,000*                             | 41.1                    | 354.8                         | 98,800                                                             | 182,100*                             | 260                          |
| 270                          | 19.8                    | 287.1                         | 122,800                                                            | 195,200*                             | 29.9                    | 321.6                         | 107,100                                                            | 184,000*                             | 37.3                    | 342.1                         | 91,000                                                             | 172,600*                             | 270                          |
| 280                          | 10.0                    | 247.2                         | 112,900                                                            | 184,600*                             | 24.5                    | 301.4                         | 98,800                                                             | 174,500*                             | 33.0                    | 327.5                         | 83,600                                                             | 163,700*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      | 17.6                    | 274.3                         | 90,800                                                             | 165,400*                             | 28.2                    | 310.0                         | 76,700                                                             | 155,300*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      | 3.3                     | 215.4                         | 81,700                                                             | 155,900*                             | 22.5                    | 288.2                         | 70,000                                                             | 147,400*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 14.6                    | 256.9                         | 63,200                                                             | 139,600*                             | 310                          |

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

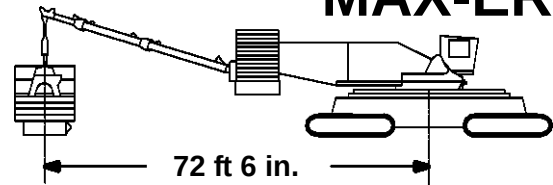
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



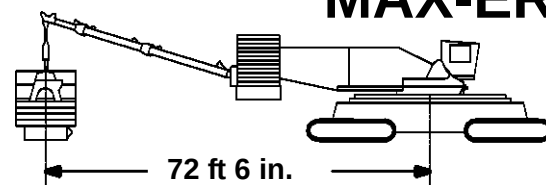
## 200.0 ft Boom, 260.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 140                          | 68.8                    | 450.3                         | 343,100                                                            | 404,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 67.6                    | 448.2                         | 326,700                                                            | 404,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 66.4                    | 446.0                         | 311,500                                                            | 402,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 65.2                    | 443.7                         | 297,300                                                            | 387,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 64.0                    | 441.2                         | 284,100                                                            | 373,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 62.8                    | 438.7                         | 271,700                                                            | 360,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 61.5                    | 435.9                         | 260,100                                                            | 348,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 60.2                    | 433.1                         | 249,200                                                            | 336,200*                             | 64.5                    | 438.3                         | 221,100                                                            | 317,000*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 59.0                    | 430.0                         | 238,900                                                            | 325,000*                             | 63.3                    | 435.8                         | 211,700                                                            | 306,400*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 57.6                    | 426.9                         | 229,200                                                            | 314,400*                             | 62.1                    | 433.1                         | 202,800                                                            | 296,300*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 56.3                    | 423.5                         | 220,100                                                            | 304,300*                             | 60.8                    | 430.3                         | 194,400                                                            | 286,700*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 55.0                    | 420.0                         | 211,400                                                            | 294,800*                             | 59.5                    | 427.4                         | 186,500                                                            | 277,700*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 53.6                    | 416.3                         | 203,200                                                            | 285,700*                             | 58.2                    | 424.2                         | 179,000                                                            | 269,000*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 52.2                    | 412.4                         | 195,300                                                            | 277,000*                             | 56.9                    | 421.0                         | 171,800                                                            | 260,800*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 50.8                    | 408.4                         | 187,900                                                            | 268,800*                             | 55.6                    | 417.5                         | 165,000                                                            | 252,900*                             | 60.0                    | 422.9                         | 142,500                                                            | 237,300*                             | 210                          |
| 215                          | 49.3                    | 404.1                         | 180,800                                                            | 260,900*                             | 54.2                    | 413.9                         | 158,500                                                            | 245,400*                             | 58.7                    | 419.9                         | 136,600                                                            | 230,200*                             | 215                          |
| 220                          | 47.8                    | 399.5                         | 174,100                                                            | 253,300*                             | 52.8                    | 410.1                         | 152,300                                                            | 238,200*                             | 57.4                    | 416.6                         | 130,900                                                            | 223,400*                             | 220                          |
| 225                          | 46.3                    | 394.8                         | 167,600                                                            | 246,100*                             | 51.4                    | 406.1                         | 146,400                                                            | 231,400*                             | 56.0                    | 413.3                         | 125,600                                                            | 216,900*                             | 225                          |
| 230                          | 44.8                    | 389.7                         | 161,400                                                            | 239,200*                             | 50.0                    | 401.9                         | 140,800                                                            | 224,800*                             | 54.7                    | 409.7                         | 120,400                                                            | 210,600*                             | 230                          |
| 235                          | 43.2                    | 384.4                         | 155,500                                                            | 232,500*                             | 48.5                    | 397.5                         | 135,400                                                            | 218,500*                             | 53.3                    | 406.0                         | 115,500                                                            | 204,600*                             | 235                          |
| 240                          | 41.5                    | 378.8                         | 149,800                                                            | 226,200*                             | 47.0                    | 392.8                         | 130,200                                                            | 212,400*                             | 51.9                    | 402.1                         | 110,800                                                            | 198,900*                             | 240                          |
| 245                          | 39.8                    | 372.8                         | 144,400                                                            | 220,000*                             | 45.4                    | 387.9                         | 125,200                                                            | 206,600*                             | 50.5                    | 397.9                         | 106,300                                                            | 193,400*                             | 245                          |
| 250                          | 38.0                    | 366.4                         | 139,100                                                            | 214,100*                             | 43.9                    | 382.7                         | 120,400                                                            | 201,000*                             | 49.0                    | 393.6                         | 101,900                                                            | 188,000*                             | 250                          |
| 260                          | 34.2                    | 352.3                         | 129,200                                                            | 202,900*                             | 40.5                    | 371.4                         | 111,300                                                            | 190,400*                             | 46.0                    | 384.2                         | 93,700                                                             | 178,000*                             | 260                          |
| 270                          | 29.9                    | 335.9                         | 119,900                                                            | 192,500*                             | 36.9                    | 358.6                         | 102,900                                                            | 180,500*                             | 42.8                    | 373.7                         | 86,100                                                             | 168,600*                             | 270                          |
| 280                          | 25.0                    | 316.1                         | 111,100                                                            | 182,600*                             | 33.0                    | 343.9                         | 95,000                                                             | 171,300*                             | 39.4                    | 361.9                         | 78,900                                                             | 159,900*                             | 280                          |
| 290                          | 19.0                    | 290.4                         | 102,600                                                            | 173,300*                             | 28.6                    | 326.7                         | 87,500                                                             | 162,600*                             | 35.7                    | 348.6                         | 72,200                                                             | 151,700*                             | 290                          |
| 300                          | 9.5                     | 248.8                         | 93,900                                                             | 164,000*                             | 23.5                    | 305.5                         | 80,400                                                             | 154,300*                             | 31.7                    | 333.1                         | 65,900                                                             | 144,000*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      | 16.9                    | 277.2                         | 73,400                                                             | 146,400*                             | 27.1                    | 314.8                         | 59,800                                                             | 136,700*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      | 3.1                     | 215.8                         | 65,200                                                             | 137,900*                             | 21.5                    | 291.9                         | 53,900                                                             | 129,700*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 14.0                    | 259.3                         | 48,000                                                             | 122,800*                             | 330                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 200.0 ft Boom, 280.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 155                          | 67.1                    | 465.7                         | 294,900                                                            | 353,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 66.0                    | 463.4                         | 281,500                                                            | 353,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 64.9                    | 461.1                         | 269,100                                                            | 345,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 63.7                    | 458.6                         | 257,400                                                            | 336,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 62.6                    | 456.0                         | 246,400                                                            | 327,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 61.4                    | 453.3                         | 236,100                                                            | 318,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 60.2                    | 450.4                         | 226,400                                                            | 309,300*                             | 64.2                    | 455.7                         | 199,400                                                            | 292,800*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 59.0                    | 447.4                         | 217,200                                                            | 300,000*                             | 63.1                    | 453.1                         | 191,000                                                            | 283,200*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 57.8                    | 444.2                         | 208,400                                                            | 290,800*                             | 61.9                    | 450.4                         | 183,000                                                            | 274,200*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 56.6                    | 440.9                         | 200,200                                                            | 281,600*                             | 60.7                    | 447.6                         | 175,500                                                            | 265,600*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 55.3                    | 437.5                         | 192,400                                                            | 272,500*                             | 59.5                    | 444.7                         | 168,300                                                            | 257,400*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 54.1                    | 433.8                         | 184,900                                                            | 263,500*                             | 58.3                    | 441.6                         | 161,500                                                            | 249,500*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 52.8                    | 430.0                         | 177,800                                                            | 254,700*                             | 57.1                    | 438.4                         | 155,000                                                            | 242,100*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 51.5                    | 426.0                         | 171,000                                                            | 246,100*                             | 55.9                    | 435.0                         | 148,800                                                            | 234,900*                             | 60.0                    | 440.2                         | 126,900                                                            | 219,800*                             | 220                          |
| 225                          | 50.2                    | 421.9                         | 164,600                                                            | 237,800*                             | 54.6                    | 431.4                         | 142,900                                                            | 228,100*                             | 58.8                    | 437.2                         | 121,600                                                            | 213,300*                             | 225                          |
| 230                          | 48.8                    | 417.5                         | 158,400                                                            | 229,700*                             | 53.4                    | 427.7                         | 137,200                                                            | 221,500*                             | 57.5                    | 434.0                         | 116,400                                                            | 207,100*                             | 230                          |
| 235                          | 47.4                    | 412.9                         | 152,500                                                            | 221,700*                             | 52.1                    | 423.8                         | 131,800                                                            | 215,300*                             | 56.3                    | 430.7                         | 111,500                                                            | 201,100*                             | 235                          |
| 240                          | 46.0                    | 408.1                         | 146,800                                                            | 214,000*                             | 50.7                    | 419.7                         | 126,700                                                            | 209,200*                             | 55.1                    | 427.2                         | 106,800                                                            | 195,400*                             | 240                          |
| 245                          | 44.5                    | 403.0                         | 141,400                                                            | 206,500*                             | 49.4                    | 415.4                         | 121,700                                                            | 203,400*                             | 53.8                    | 423.5                         | 102,300                                                            | 189,900*                             | 245                          |
| 250                          | 43.0                    | 397.6                         | 136,200                                                            | 199,100*                             | 48.0                    | 410.9                         | 116,900                                                            | 197,900*                             | 52.5                    | 419.7                         | 98,000                                                             | 184,600*                             | 250                          |
| 260                          | 39.9                    | 386.0                         | 126,300                                                            | 185,300*                             | 45.2                    | 401.2                         | 108,000                                                            | 187,400*                             | 49.9                    | 411.4                         | 89,800                                                             | 174,700*                             | 260                          |
| 270                          | 36.5                    | 373.0                         | 117,200                                                            | 172,300*                             | 42.2                    | 390.5                         | 99,600                                                             | 177,600*                             | 47.1                    | 402.4                         | 82,300                                                             | 165,400*                             | 270                          |
| 280                          | 32.9                    | 358.2                         | 108,600                                                            | 160,100*                             | 39.0                    | 378.5                         | 91,800                                                             | 168,400*                             | 44.2                    | 392.3                         | 75,200                                                             | 156,700*                             | 280                          |
| 290                          | 28.8                    | 341.0                         | 100,500                                                            | 148,800*                             | 35.5                    | 365.0                         | 84,500                                                             | 159,900*                             | 41.1                    | 381.2                         | 68,600                                                             | 148,600*                             | 290                          |
| 300                          | 24.1                    | 320.3                         | 92,900                                                             | 138,500*                             | 31.8                    | 349.6                         | 77,600                                                             | 151,800*                             | 37.9                    | 368.8                         | 62,400                                                             | 141,000*                             | 300                          |
| 310                          | 18.3                    | 293.5                         | 85,400                                                             | 129,200*                             | 27.5                    | 331.5                         | 71,100                                                             | 144,200*                             | 34.3                    | 354.7                         | 56,600                                                             | 133,900*                             | 310                          |
| 320                          | 9.2                     | 250.3                         | 77,700                                                             | 121,900*                             | 22.6                    | 309.5                         | 64,800                                                             | 136,900*                             | 30.5                    | 338.6                         | 51,000                                                             | 127,100*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      | 16.2                    | 280.0                         | 58,600                                                             | 128,300*                             | 26.0                    | 319.4                         | 45,600                                                             | 120,600*                             | 330                          |
| 340                          |                         |                               |                                                                    |                                      | 3.0                     | 216.1                         | 51,300                                                             | 122,100*                             | 20.7                    | 295.5                         | 40,400                                                             | 114,400*                             | 340                          |
| 350                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 13.5                    | 261.6                         | 35,100                                                             | 108,300*                             | 350                          |

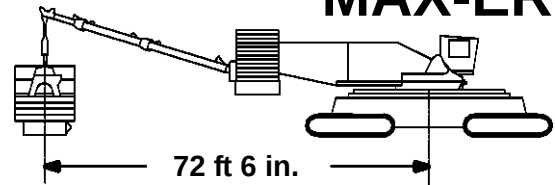
# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 200.0 ft Boom, 300.0 ft Luffing Jib

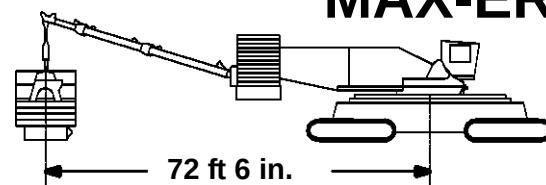
| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 195                          | 60.2                    | 467.7                         | 203,800                                                            | 250,900*                             | 63.9                    | 473.0                         | 177,700                                                            | 269,800*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 59.1                    | 464.7                         | 195,500                                                            | 242,200*                             | 62.9                    | 470.5                         | 170,100                                                            | 261,200*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 58.0                    | 461.6                         | 187,700                                                            | 233,400*                             | 61.8                    | 467.8                         | 163,000                                                            | 253,000*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 56.8                    | 458.3                         | 180,300                                                            | 225,000*                             | 60.7                    | 465.0                         | 156,200                                                            | 245,200*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 55.7                    | 454.9                         | 173,200                                                            | 216,700*                             | 59.6                    | 462.0                         | 149,800                                                            | 237,800*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 54.5                    | 451.3                         | 166,500                                                            | 208,600*                             | 58.5                    | 458.9                         | 143,600                                                            | 230,700*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 53.3                    | 447.6                         | 160,000                                                            | 200,700*                             | 57.3                    | 455.7                         | 137,700                                                            | 223,900*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 52.1                    | 443.7                         | 153,900                                                            | 193,000*                             | 56.2                    | 452.4                         | 132,100                                                            | 217,400*                             | 60.0                    | 457.5                         | 110,700                                                            | 202,500*                             | 230                          |
| 235                          | 50.9                    | 439.6                         | 148,000                                                            | 185,500*                             | 55.0                    | 448.8                         | 126,800                                                            | 211,100*                             | 58.8                    | 454.5                         | 105,900                                                            | 196,600*                             | 235                          |
| 240                          | 49.6                    | 435.3                         | 142,400                                                            | 178,200*                             | 53.8                    | 445.2                         | 121,600                                                            | 204,800*                             | 57.7                    | 451.4                         | 101,200                                                            | 190,900*                             | 240                          |
| 245                          | 48.3                    | 430.9                         | 137,000                                                            | 171,100*                             | 52.6                    | 441.4                         | 116,700                                                            | 197,100*                             | 56.6                    | 448.0                         | 96,700                                                             | 185,500*                             | 245                          |
| 250                          | 47.0                    | 426.2                         | 131,800                                                            | 164,200*                             | 51.4                    | 437.4                         | 112,000                                                            | 189,700*                             | 55.4                    | 444.6                         | 92,500                                                             | 180,200*                             | 250                          |
| 260                          | 44.3                    | 416.2                         | 122,000                                                            | 151,000*                             | 48.9                    | 428.8                         | 103,000                                                            | 175,200*                             | 53.0                    | 437.2                         | 84,400                                                             | 170,300*                             | 260                          |
| 270                          | 41.5                    | 405.2                         | 113,000                                                            | 138,700*                             | 46.3                    | 419.5                         | 94,800                                                             | 161,500*                             | 50.6                    | 429.2                         | 76,900                                                             | 161,100*                             | 270                          |
| 280                          | 38.5                    | 393.0                         | 104,500                                                            | 127,100*                             | 43.5                    | 409.2                         | 87,100                                                             | 148,500*                             | 48.0                    | 420.4                         | 69,900                                                             | 152,600*                             | 280                          |
| 290                          | 35.2                    | 379.4                         | 96,600                                                             | 116,300*                             | 40.6                    | 397.9                         | 79,900                                                             | 136,300*                             | 45.4                    | 410.7                         | 63,500                                                             | 144,500*                             | 290                          |
| 300                          | 31.7                    | 363.9                         | 89,200                                                             | 106,200*                             | 37.6                    | 385.3                         | 73,200                                                             | 124,900*                             | 42.6                    | 400.2                         | 57,400                                                             | 137,000*                             | 300                          |
| 310                          | 27.8                    | 345.9                         | 82,100                                                             | 96,800*                              | 34.3                    | 371.2                         | 66,800                                                             | 114,300*                             | 39.7                    | 388.5                         | 51,600                                                             | 130,000*                             | 310                          |
| 320                          | 23.2                    | 324.4                         | 75,400                                                             | 88,100*                              | 30.6                    | 355.1                         | 60,800                                                             | 104,300*                             | 36.5                    | 375.4                         | 46,200                                                             | 121,800*                             | 320                          |
| 330                          | 17.6                    | 296.6                         | 68,800                                                             | 80,200*                              | 26.6                    | 336.2                         | 55,100                                                             | 95,100*                              | 33.1                    | 360.7                         | 41,100                                                             | 111,400*                             | 330                          |
| 340                          | 8.8                     | 251.8                         | 62,000                                                             | 73,900*                              | 21.8                    | 313.3                         | 49,500                                                             | 86,700*                              | 29.4                    | 343.8                         | 36,200                                                             | 101,700*                             | 340                          |
| 350                          |                         |                               |                                                                    |                                      | 15.6                    | 282.6                         | 44,000                                                             | 79,100*                              | 25.1                    | 323.8                         | 31,500                                                             | 92,800*                              | 350                          |
| 360                          |                         |                               |                                                                    |                                      | 2.8                     | 216.5                         | 37,400                                                             | 73,700*                              | 20.0                    | 299.0                         | 26,800                                                             | 84,600*                              | 360                          |
| 370                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 13.0                    | 263.8                         | 22,000                                                             | 77,600*                              | 370                          |



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



21000  
MAX-ER

## 220.0 ft Boom, 120.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 95                           |                         |                               |                                                                    | <sup>c</sup>                         |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 95                           |
| 100                          | 65.1                    | 336.2                         | 554,900                                                            | 654,000* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 100                          |
| 105                          | 62.4                    | 333.5                         | 522,000                                                            | 621,200* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          | 59.7                    | 330.6                         | 492,300                                                            | 591,200* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 56.8                    | 327.3                         | 465,300                                                            | 563,700* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 53.8                    | 323.6                         | 440,700                                                            | 538,400* <sup>b</sup>                | 64.5                    | 331.2                         | 401,300                                                            | 512,000* <sup>b</sup>                |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 50.8                    | 319.5                         | 418,200                                                            | 515,000*                             | 61.8                    | 328.5                         | 380,700                                                            | 489,800* <sup>b</sup>                |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 47.5                    | 315.0                         | 397,400                                                            | 493,300*                             | 59.0                    | 325.5                         | 361,800                                                            | 469,300* <sup>b</sup>                |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 44.1                    | 309.8                         | 378,200                                                            | 473,200*                             | 56.1                    | 322.1                         | 344,300                                                            | 450,200* <sup>b</sup>                |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 40.4                    | 304.0                         | 360,300                                                            | 454,400*                             | 53.2                    | 318.4                         | 328,100                                                            | 432,400* <sup>b</sup>                |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 36.5                    | 297.4                         | 343,600                                                            | 436,700*                             | 50.0                    | 314.2                         | 313,000                                                            | 415,700*                             |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 32.0                    | 289.6                         | 327,900                                                            | 420,100*                             | 46.8                    | 309.5                         | 298,900                                                            | 400,100*                             | 58.1                    | 318.4                         | 269,100                                                            | 379,700* <sup>b</sup>                | 150                          |
| 155                          | 26.9                    | 280.1                         | 313,000                                                            | 404,400*                             | 43.3                    | 304.2                         | 285,700                                                            | 385,500*                             | 55.2                    | 315.0                         | 257,200                                                            | 365,800* <sup>b</sup>                | 155                          |
| 160                          | 20.6                    | 267.9                         | 298,600                                                            | 389,300*                             | 39.6                    | 298.2                         | 273,200                                                            | 371,600*                             | 52.2                    | 311.1                         | 246,000                                                            | 352,800* <sup>b</sup>                | 160                          |
| 165                          | 10.8                    | 248.0                         | 283,900                                                            | 374,400*                             | 35.5                    | 291.3                         | 261,400                                                            | 358,500*                             | 49.0                    | 306.7                         | 235,400                                                            | 340,500*                             | 165                          |
| 170                          |                         |                               |                                                                    |                                      | 31.0                    | 283.2                         | 250,100                                                            | 346,000*                             | 45.7                    | 301.8                         | 225,500                                                            | 328,800*                             | 170                          |
| 175                          |                         |                               |                                                                    |                                      | 25.6                    | 273.2                         | 239,300                                                            | 334,100*                             | 42.1                    | 296.4                         | 216,000                                                            | 317,800*                             | 175                          |
| 180                          |                         |                               |                                                                    |                                      | 18.9                    | 260.0                         | 228,600                                                            | 322,500*                             | 38.3                    | 290.1                         | 207,000                                                            | 307,300*                             | 180                          |
| 185                          |                         |                               |                                                                    |                                      | 6.4                     | 234.4                         | 216,700                                                            | 310,400*                             | 34.1                    | 282.9                         | 198,300                                                            | 297,200*                             | 185                          |
| 190                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 29.4                    | 274.2                         | 190,000                                                            | 287,600*                             | 190                          |
| 195                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 23.7                    | 263.5                         | 181,800                                                            | 278,200*                             | 195                          |
| 200                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 16.1                    | 248.4                         | 173,400                                                            | 268,900*                             | 200                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

Do not luff into area indicated by (c)  
with 37,000 lb minimum weight  
(see CAUTION on page 1).

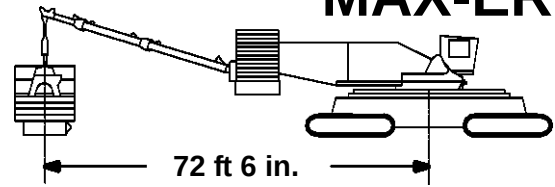
# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 220.0 ft Boom, 140.0 ft Luffing Jib

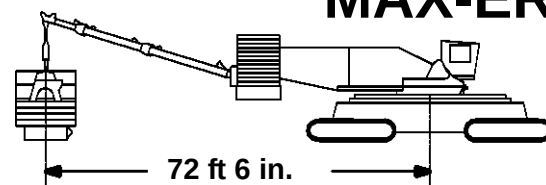
| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 105                          | 66.7                    | 356.0                         | 519,700                                                            | 617,200 <b>b</b>                     |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          | 64.4                    | 353.5                         | 490,000                                                            | 587,400 <b>b</b>                     |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 62.1                    | 350.9                         | 463,000                                                            | 560,100 <b>b</b>                     |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 59.7                    | 347.9                         | 438,500                                                            | 534,900 <b>b</b>                     |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 57.3                    | 344.7                         | 416,000                                                            | 511,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 54.8                    | 341.1                         | 395,400                                                            | 490,300*                             | 63.9                    | 348.6                         | 357,900                                                            | 465,000 <b>b</b>                     |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 52.2                    | 337.3                         | 376,400                                                            | 470,300*                             | 61.6                    | 345.8                         | 340,500                                                            | 446,100 <b>b</b>                     |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 49.5                    | 333.0                         | 358,700                                                            | 451,700*                             | 59.2                    | 342.8                         | 324,400                                                            | 428,400 <b>b</b>                     |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 46.7                    | 328.3                         | 342,300                                                            | 434,300*                             | 56.7                    | 339.5                         | 309,500                                                            | 412,000*                             |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 43.7                    | 323.1                         | 327,000                                                            | 418,100*                             | 54.2                    | 335.9                         | 295,600                                                            | 396,600*                             |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 40.6                    | 317.3                         | 312,700                                                            | 402,700*                             | 51.6                    | 331.9                         | 282,600                                                            | 382,100*                             |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 37.2                    | 310.8                         | 299,200                                                            | 388,300*                             | 48.9                    | 327.6                         | 270,400                                                            | 368,500*                             | 58.4                    | 335.8                         | 241,300                                                            | 348,500 <b>b</b>                     | 160                          |
| 165                          | 33.6                    | 303.4                         | 286,500                                                            | 374,700*                             | 46.0                    | 322.7                         | 259,000                                                            | 355,600*                             | 55.9                    | 332.4                         | 231,000                                                            | 336,400*                             | 165                          |
| 170                          | 29.5                    | 294.8                         | 274,400                                                            | 361,700*                             | 43.0                    | 317.4                         | 248,100                                                            | 343,500*                             | 53.4                    | 328.7                         | 221,300                                                            | 324,900*                             | 170                          |
| 175                          | 24.8                    | 284.4                         | 262,800                                                            | 349,300*                             | 39.8                    | 311.5                         | 237,900                                                            | 332,000*                             | 50.7                    | 324.6                         | 212,100                                                            | 314,100*                             | 175                          |
| 180                          | 19.0                    | 271.0                         | 251,500                                                            | 337,400*                             | 36.4                    | 304.8                         | 228,200                                                            | 321,000*                             | 48.0                    | 320.1                         | 203,400                                                            | 303,800*                             | 180                          |
| 185                          | 9.9                     | 249.5                         | 239,700                                                            | 325,400*                             | 32.7                    | 297.1                         | 218,900                                                            | 310,600*                             | 45.1                    | 315.1                         | 195,100                                                            | 294,000*                             | 185                          |
| 190                          |                         |                               |                                                                    |                                      | 28.5                    | 288.2                         | 209,900                                                            | 300,600*                             | 42.0                    | 309.6                         | 187,200                                                            | 284,700*                             | 190                          |
| 195                          |                         |                               |                                                                    |                                      | 23.6                    | 277.3                         | 201,200                                                            | 291,000*                             | 38.8                    | 303.4                         | 179,700                                                            | 275,800*                             | 195                          |
| 200                          |                         |                               |                                                                    |                                      | 17.4                    | 262.9                         | 192,600                                                            | 281,500*                             | 35.3                    | 296.4                         | 172,500                                                            | 267,300*                             | 200                          |
| 205                          |                         |                               |                                                                    |                                      | 5.8                     | 235.1                         | 182,800                                                            | 271,600*                             | 31.4                    | 288.4                         | 165,500                                                            | 259,100*                             | 205                          |
| 210                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 27.0                    | 279.0                         | 158,700                                                            | 251,200*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 21.8                    | 267.2                         | 152,000                                                            | 243,500*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 14.8                    | 250.8                         | 145,100                                                            | 235,800*                             | 220                          |

Capacities indicated by **(b)** require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



21000  
MAX-ER

## 220.0 ft Boom, 160.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 105                          | 69.8                    | 377.7                         | 517,300                                                            | 614,200*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          | 67.8                    | 375.6                         | 487,600                                                            | 584,400*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 65.9                    | 373.4                         | 460,700                                                            | 557,200*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 63.9                    | 370.9                         | 436,200                                                            | 532,200*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 61.8                    | 368.2                         | 413,800                                                            | 509,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 59.7                    | 365.2                         | 393,300                                                            | 487,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 57.6                    | 362.1                         | 374,300                                                            | 467,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 55.4                    | 358.6                         | 356,800                                                            | 449,400*                             | 63.4                    | 365.9                         | 321,200                                                            | 425,300*b                            |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 53.2                    | 354.9                         | 340,600                                                            | 432,200*                             | 61.4                    | 363.1                         | 306,400                                                            | 409,000*                             |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 50.9                    | 350.8                         | 325,400                                                            | 416,000*                             | 59.3                    | 360.1                         | 292,600                                                            | 393,700*                             |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 48.5                    | 346.4                         | 311,300                                                            | 400,900*                             | 57.1                    | 356.9                         | 279,700                                                            | 379,300*                             |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 46.0                    | 341.5                         | 298,100                                                            | 386,600*                             | 54.9                    | 353.4                         | 267,700                                                            | 365,800*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 43.4                    | 336.3                         | 285,600                                                            | 373,200*                             | 52.7                    | 349.6                         | 256,400                                                            | 353,100*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 40.7                    | 330.5                         | 273,900                                                            | 360,500*                             | 50.4                    | 345.4                         | 245,800                                                            | 341,100*                             | 58.6                    | 353.1                         | 217,700                                                            | 321,800*                             | 170                          |
| 175                          | 37.8                    | 324.1                         | 262,800                                                            | 348,500*                             | 48.0                    | 340.9                         | 235,800                                                            | 329,800*                             | 56.4                    | 349.8                         | 208,700                                                            | 311,100*                             | 175                          |
| 180                          | 34.7                    | 317.0                         | 252,300                                                            | 337,100*                             | 45.4                    | 336.0                         | 226,300                                                            | 319,000*                             | 54.2                    | 346.2                         | 200,100                                                            | 300,900*                             | 180                          |
| 185                          | 31.3                    | 308.9                         | 242,300                                                            | 326,200*                             | 42.8                    | 330.6                         | 217,300                                                            | 308,800*                             | 52.0                    | 342.3                         | 192,000                                                            | 291,300*                             | 185                          |
| 190                          | 27.5                    | 299.6                         | 232,700                                                            | 315,800*                             | 40.1                    | 324.7                         | 208,800                                                            | 299,100*                             | 49.6                    | 338.0                         | 184,300                                                            | 282,100*                             | 190                          |
| 195                          | 23.1                    | 288.4                         | 223,400                                                            | 305,800*                             | 37.1                    | 318.2                         | 200,600                                                            | 289,800*                             | 47.2                    | 333.4                         | 177,000                                                            | 273,400*                             | 195                          |
| 200                          | 17.6                    | 274.0                         | 214,300                                                            | 296,100*                             | 33.9                    | 310.9                         | 192,800                                                            | 280,900*                             | 44.6                    | 328.3                         | 170,100                                                            | 265,000*                             | 200                          |
| 205                          | 9.2                     | 250.9                         | 204,700                                                            | 286,300*                             | 30.4                    | 302.5                         | 185,300                                                            | 272,400*                             | 42.0                    | 322.8                         | 163,400                                                            | 257,100*                             | 205                          |
| 210                          |                         |                               |                                                                    |                                      | 26.5                    | 292.9                         | 178,000                                                            | 264,200*                             | 39.1                    | 316.7                         | 157,100                                                            | 249,500*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      | 22.0                    | 281.1                         | 170,900                                                            | 256,300*                             | 36.1                    | 309.9                         | 150,900                                                            | 242,100*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      | 16.1                    | 265.6                         | 163,800                                                            | 248,400*                             | 32.9                    | 302.3                         | 145,000                                                            | 235,100*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      | 5.3                     | 235.8                         | 155,600                                                            | 240,100*                             | 29.3                    | 293.6                         | 139,300                                                            | 228,300*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 25.2                    | 283.4                         | 133,700                                                            | 221,700*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 20.3                    | 270.7                         | 128,100                                                            | 215,300*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 13.7                    | 253.1                         | 122,300                                                            | 208,800*                             | 240                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

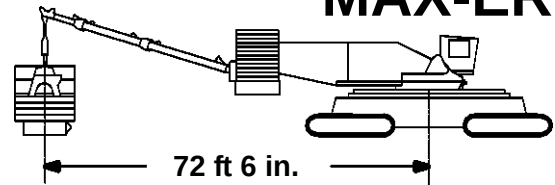
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 220.0 ft Boom, 180.0 ft Luffing Jib

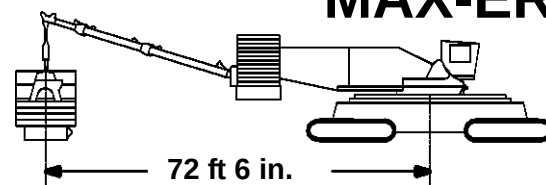
| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 115                          | 68.7                    | 395.2                         | 456,400                                                            | 552,900*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 67.0                    | 393.1                         | 431,900                                                            | 528,000*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 65.2                    | 390.7                         | 409,600                                                            | 505,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 63.4                    | 388.2                         | 389,100                                                            | 483,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 61.6                    | 385.5                         | 370,200                                                            | 463,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 59.8                    | 382.6                         | 352,800                                                            | 445,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 57.9                    | 379.4                         | 336,600                                                            | 428,400*                             | 64.8                    | 385.8                         | 301,100                                                            | 404,400*                             |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 56.0                    | 376.0                         | 321,600                                                            | 412,300*                             | 63.0                    | 383.2                         | 287,500                                                            | 389,200*                             |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 54.0                    | 372.4                         | 307,500                                                            | 397,300*                             | 61.2                    | 380.5                         | 274,700                                                            | 374,900*                             |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 52.0                    | 368.5                         | 294,400                                                            | 383,100*                             | 59.4                    | 377.5                         | 262,800                                                            | 361,500*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 49.9                    | 364.3                         | 282,100                                                            | 369,800*                             | 57.5                    | 374.3                         | 251,600                                                            | 348,900*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 47.8                    | 359.7                         | 270,500                                                            | 357,300*                             | 55.5                    | 370.8                         | 241,100                                                            | 337,000*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 45.5                    | 354.8                         | 259,600                                                            | 345,400*                             | 53.6                    | 367.1                         | 231,200                                                            | 325,800*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 43.2                    | 349.5                         | 249,300                                                            | 334,100*                             | 51.5                    | 363.1                         | 221,800                                                            | 315,100*                             | 58.8                    | 370.5                         | 194,500                                                            | 296,300*                             | 180                          |
| 185                          | 40.8                    | 343.8                         | 239,600                                                            | 323,400*                             | 49.4                    | 358.9                         | 213,000                                                            | 305,000*                             | 56.9                    | 367.2                         | 186,600                                                            | 286,700*                             | 185                          |
| 190                          | 38.2                    | 337.5                         | 230,300                                                            | 313,200*                             | 47.3                    | 354.2                         | 204,600                                                            | 295,400*                             | 54.9                    | 363.7                         | 179,000                                                            | 277,700*                             | 190                          |
| 195                          | 35.5                    | 330.5                         | 221,500                                                            | 303,500*                             | 45.0                    | 349.3                         | 196,700                                                            | 286,300*                             | 52.9                    | 359.9                         | 171,800                                                            | 269,000*                             | 195                          |
| 200                          | 32.6                    | 322.8                         | 213,000                                                            | 294,300*                             | 42.7                    | 343.9                         | 189,100                                                            | 277,600*                             | 50.9                    | 355.8                         | 165,000                                                            | 260,800*                             | 200                          |
| 205                          | 29.4                    | 314.1                         | 204,900                                                            | 285,400*                             | 40.2                    | 338.0                         | 181,800                                                            | 269,300*                             | 48.7                    | 351.4                         | 158,500                                                            | 253,000*                             | 205                          |
| 210                          | 25.8                    | 304.1                         | 197,100                                                            | 276,900*                             | 37.6                    | 331.5                         | 174,900                                                            | 261,300*                             | 46.5                    | 346.7                         | 152,400                                                            | 245,500*                             | 210                          |
| 215                          | 21.7                    | 292.1                         | 189,500                                                            | 268,600*                             | 34.9                    | 324.4                         | 168,300                                                            | 253,700*                             | 44.3                    | 341.6                         | 146,400                                                            | 238,300*                             | 215                          |
| 220                          | 16.6                    | 276.8                         | 181,900                                                            | 260,500*                             | 31.9                    | 316.5                         | 161,900                                                            | 246,300*                             | 41.9                    | 336.0                         | 140,700                                                            | 231,500*                             | 220                          |
| 225                          | 8.6                     | 252.2                         | 173,900                                                            | 252,300*                             | 28.6                    | 307.6                         | 155,700                                                            | 239,200*                             | 39.4                    | 330.0                         | 135,300                                                            | 224,900*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      | 24.9                    | 297.2                         | 149,700                                                            | 232,400*                             | 36.8                    | 323.3                         | 130,000                                                            | 218,500*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      | 20.6                    | 284.6                         | 143,700                                                            | 225,700*                             | 33.9                    | 316.0                         | 125,000                                                            | 212,400*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      | 15.1                    | 268.1                         | 137,700                                                            | 219,100*                             | 30.9                    | 307.8                         | 120,000                                                            | 206,500*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      | 4.9                     | 236.4                         | 130,700                                                            | 212,000*                             | 27.5                    | 298.4                         | 115,200                                                            | 200,800*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 23.7                    | 287.5                         | 110,500                                                            | 195,200*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 12.9                    | 255.2                         | 100,800                                                            | 184,100*                             | 260                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 220.0 ft Boom, 200.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 120                          | 69.4                    | 414.8                         | 430,000                                                            | 524,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 67.9                    | 412.7                         | 407,600                                                            | 501,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 66.3                    | 410.5                         | 387,000                                                            | 480,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 64.7                    | 408.1                         | 368,000                                                            | 460,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 63.1                    | 405.5                         | 350,500                                                            | 442,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 61.5                    | 402.8                         | 334,300                                                            | 425,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 59.8                    | 399.9                         | 319,300                                                            | 409,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 58.1                    | 396.8                         | 305,200                                                            | 394,400*                             | 64.3                    | 403.1                         | 271,500                                                            | 371,500*                             |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 56.4                    | 393.4                         | 292,100                                                            | 380,300*                             | 62.7                    | 400.5                         | 259,500                                                            | 358,100*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 54.6                    | 389.9                         | 279,800                                                            | 367,100*                             | 61.1                    | 397.8                         | 248,400                                                            | 345,600*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 52.8                    | 386.1                         | 268,300                                                            | 354,600*                             | 59.4                    | 394.8                         | 237,900                                                            | 333,800*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 51.0                    | 382.0                         | 257,400                                                            | 342,700*                             | 57.7                    | 391.6                         | 228,000                                                            | 322,600*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 49.1                    | 377.7                         | 247,200                                                            | 331,600*                             | 56.0                    | 388.2                         | 218,700                                                            | 312,000*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 47.1                    | 373.0                         | 237,500                                                            | 321,000*                             | 54.2                    | 384.6                         | 210,000                                                            | 302,000*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 45.1                    | 368.1                         | 228,300                                                            | 310,900*                             | 52.4                    | 380.8                         | 201,600                                                            | 292,500*                             | 58.9                    | 387.8                         | 175,200                                                            | 274,200*                             | 190                          |
| 195                          | 43.0                    | 362.7                         | 219,600                                                            | 301,300*                             | 50.6                    | 376.7                         | 193,800                                                            | 283,400*                             | 57.2                    | 384.6                         | 168,100                                                            | 265,700*                             | 195                          |
| 200                          | 40.8                    | 357.0                         | 211,300                                                            | 292,200*                             | 48.7                    | 372.3                         | 186,300                                                            | 274,800*                             | 55.4                    | 381.1                         | 161,400                                                            | 257,500*                             | 200                          |
| 205                          | 38.6                    | 350.8                         | 203,400                                                            | 283,400*                             | 46.7                    | 367.6                         | 179,100                                                            | 266,500*                             | 53.7                    | 377.4                         | 155,000                                                            | 249,800*                             | 205                          |
| 210                          | 36.1                    | 344.0                         | 195,900                                                            | 275,100*                             | 44.7                    | 362.5                         | 172,300                                                            | 258,700*                             | 51.8                    | 373.5                         | 148,800                                                            | 242,300*                             | 210                          |
| 215                          | 33.6                    | 336.5                         | 188,700                                                            | 267,100*                             | 42.5                    | 357.1                         | 165,800                                                            | 251,200*                             | 50.0                    | 369.3                         | 143,000                                                            | 235,300*                             | 215                          |
| 220                          | 30.8                    | 328.3                         | 181,700                                                            | 259,400*                             | 40.3                    | 351.2                         | 159,600                                                            | 244,000*                             | 48.0                    | 364.8                         | 137,400                                                            | 228,500*                             | 220                          |
| 225                          | 27.8                    | 319.0                         | 175,000                                                            | 252,100*                             | 38.0                    | 344.9                         | 153,600                                                            | 237,100*                             | 46.0                    | 360.0                         | 132,100                                                            | 222,000*                             | 225                          |
| 230                          | 24.4                    | 308.4                         | 168,500                                                            | 244,900*                             | 35.6                    | 338.0                         | 147,900                                                            | 230,400*                             | 44.0                    | 354.8                         | 127,000                                                            | 215,700*                             | 230                          |
| 235                          | 20.5                    | 295.7                         | 162,100                                                            | 238,000*                             | 33.0                    | 330.3                         | 142,400                                                            | 224,000*                             | 41.8                    | 349.2                         | 122,000                                                            | 209,700*                             | 235                          |
| 240                          | 15.6                    | 279.5                         | 155,800                                                            | 231,200*                             | 30.1                    | 321.9                         | 137,000                                                            | 217,800*                             | 39.6                    | 343.2                         | 117,300                                                            | 204,000*                             | 240                          |
| 245                          | 8.1                     | 253.5                         | 148,900                                                            | 224,200*                             | 27.1                    | 312.3                         | 131,800                                                            | 211,900*                             | 37.3                    | 336.7                         | 112,700                                                            | 198,400*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      | 23.6                    | 301.3                         | 126,700                                                            | 206,100*                             | 34.8                    | 329.6                         | 108,300                                                            | 193,000*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      | 14.3                    | 270.5                         | 116,500                                                            | 194,700*                             | 29.2                    | 313.0                         | 99,800                                                             | 182,800*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 22.4                    | 291.4                         | 91,600                                                             | 173,100*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 12.2                    | 257.2                         | 83,300                                                             | 163,500*                             | 280                          |

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

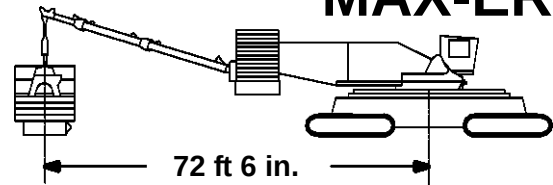
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



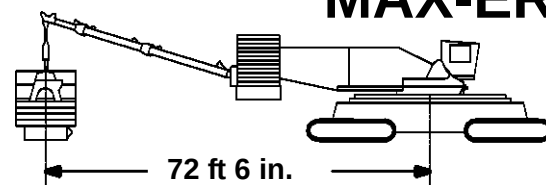
## 220.0 ft Boom, 220.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 125                          | 70.0                    | 434.3                         | 402,900                                                            | 495,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 68.6                    | 432.3                         | 382,300                                                            | 476,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 67.2                    | 430.2                         | 363,400                                                            | 456,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 65.7                    | 427.9                         | 345,900                                                            | 438,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 64.3                    | 425.5                         | 329,700                                                            | 421,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 62.8                    | 422.9                         | 314,700                                                            | 405,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 61.3                    | 420.1                         | 300,700                                                            | 390,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 59.8                    | 417.2                         | 287,600                                                            | 376,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 58.3                    | 414.1                         | 275,400                                                            | 363,100*                             | 63.9                    | 420.5                         | 242,900                                                            | 341,000*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 56.7                    | 410.8                         | 263,900                                                            | 350,600*                             | 62.5                    | 417.9                         | 232,500                                                            | 329,200*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 55.1                    | 407.3                         | 253,100                                                            | 338,900*                             | 61.0                    | 415.1                         | 222,700                                                            | 318,100*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 53.5                    | 403.6                         | 242,900                                                            | 327,800*                             | 59.5                    | 412.1                         | 213,500                                                            | 307,600*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 51.9                    | 399.7                         | 233,300                                                            | 317,200*                             | 57.9                    | 409.0                         | 204,800                                                            | 297,600*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 50.2                    | 395.5                         | 224,200                                                            | 307,200*                             | 56.4                    | 405.6                         | 196,500                                                            | 288,200*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 48.4                    | 391.1                         | 215,600                                                            | 297,700*                             | 54.8                    | 402.1                         | 188,700                                                            | 279,200*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 46.6                    | 386.4                         | 207,400                                                            | 288,700*                             | 53.1                    | 398.4                         | 181,300                                                            | 270,600*                             | 59.0                    | 405.1                         | 155,600                                                            | 252,800*                             | 200                          |
| 205                          | 44.8                    | 381.3                         | 199,600                                                            | 280,000*                             | 51.5                    | 394.4                         | 174,300                                                            | 262,500*                             | 57.4                    | 401.9                         | 149,200                                                            | 245,100*                             | 205                          |
| 210                          | 42.9                    | 376.0                         | 192,100                                                            | 271,800*                             | 49.8                    | 390.1                         | 167,500                                                            | 254,700*                             | 55.9                    | 398.5                         | 143,200                                                            | 237,800*                             | 210                          |
| 215                          | 40.9                    | 370.2                         | 185,000                                                            | 263,900*                             | 48.0                    | 385.6                         | 161,100                                                            | 247,200*                             | 54.3                    | 394.9                         | 137,500                                                            | 230,800*                             | 215                          |
| 220                          | 38.8                    | 364.0                         | 178,300                                                            | 256,300*                             | 46.2                    | 380.9                         | 155,000                                                            | 240,100*                             | 52.6                    | 391.1                         | 132,000                                                            | 224,000*                             | 220                          |
| 225                          | 36.7                    | 357.4                         | 171,800                                                            | 249,100*                             | 44.4                    | 375.8                         | 149,200                                                            | 233,300*                             | 50.9                    | 387.0                         | 126,700                                                            | 217,600*                             | 225                          |
| 230                          | 34.4                    | 350.1                         | 165,500                                                            | 242,100*                             | 42.4                    | 370.3                         | 143,500                                                            | 226,700*                             | 49.2                    | 382.7                         | 121,700                                                            | 211,500*                             | 230                          |
| 235                          | 31.9                    | 342.2                         | 159,500                                                            | 235,400*                             | 40.4                    | 364.5                         | 138,200                                                            | 220,500*                             | 47.5                    | 378.1                         | 116,900                                                            | 205,500*                             | 235                          |
| 240                          | 29.3                    | 333.5                         | 153,700                                                            | 229,000*                             | 38.3                    | 358.2                         | 133,000                                                            | 214,400*                             | 45.6                    | 373.2                         | 112,200                                                            | 199,800*                             | 240                          |
| 245                          | 26.4                    | 323.7                         | 148,000                                                            | 222,700*                             | 36.1                    | 351.4                         | 128,000                                                            | 208,600*                             | 43.8                    | 368.0                         | 107,800                                                            | 194,400*                             | 245                          |
| 250                          | 23.2                    | 312.4                         | 142,500                                                            | 216,600*                             | 33.8                    | 344.0                         | 123,100                                                            | 203,000*                             | 41.8                    | 362.5                         | 103,500                                                            | 189,100*                             | 250                          |
| 260                          | 14.9                    | 282.0                         | 131,700                                                            | 204,900*                             | 28.7                    | 327.0                         | 113,900                                                            | 192,200*                             | 37.7                    | 350.1                         | 95,300                                                             | 179,100*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      | 22.4                    | 305.2                         | 105,100                                                            | 182,100*                             | 33.1                    | 335.5                         | 87,700                                                             | 169,800*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      | 13.6                    | 272.8                         | 96,300                                                             | 172,300*                             | 27.8                    | 317.9                         | 80,400                                                             | 160,900*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 21.3                    | 295.0                         | 73,400                                                             | 152,500*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 11.6                    | 259.1                         | 66,100                                                             | 144,200*                             | 300                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 220.0 ft Boom, 240.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 135                          | 69.2                    | 451.8                         | 359,300                                                            | 437,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 67.9                    | 449.8                         | 341,900                                                            | 434,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 66.6                    | 447.6                         | 325,700                                                            | 417,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 65.3                    | 445.3                         | 310,600                                                            | 401,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 63.9                    | 442.8                         | 296,600                                                            | 386,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 62.6                    | 440.2                         | 283,600                                                            | 372,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 61.2                    | 437.5                         | 271,300                                                            | 359,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 59.8                    | 434.5                         | 259,900                                                            | 347,100*                             | 65.0                    | 440.3                         | 227,900                                                            | 325,300*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 58.4                    | 431.5                         | 249,100                                                            | 335,400*                             | 63.6                    | 437.9                         | 218,100                                                            | 314,200*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 57.0                    | 428.2                         | 238,900                                                            | 324,300*                             | 62.3                    | 435.2                         | 208,900                                                            | 303,800*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 55.6                    | 424.8                         | 229,300                                                            | 313,800*                             | 60.9                    | 432.4                         | 200,200                                                            | 293,800*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 54.1                    | 421.1                         | 220,200                                                            | 303,800*                             | 59.5                    | 429.5                         | 192,000                                                            | 284,400*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 52.6                    | 417.3                         | 211,700                                                            | 294,400*                             | 58.1                    | 426.3                         | 184,200                                                            | 275,500*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 51.0                    | 413.2                         | 203,500                                                            | 285,300*                             | 56.7                    | 423.0                         | 176,800                                                            | 266,900*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 49.5                    | 409.0                         | 195,800                                                            | 276,700*                             | 55.2                    | 419.6                         | 169,800                                                            | 258,800*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 47.9                    | 404.5                         | 188,400                                                            | 268,500*                             | 53.7                    | 415.9                         | 163,200                                                            | 251,100*                             | 59.1                    | 422.5                         | 138,300                                                            | 233,800*                             | 210                          |
| 215                          | 46.2                    | 399.7                         | 181,400                                                            | 260,700*                             | 52.2                    | 412.0                         | 156,800                                                            | 243,700*                             | 57.7                    | 419.3                         | 132,600                                                            | 226,900*                             | 215                          |
| 220                          | 44.5                    | 394.6                         | 174,600                                                            | 253,200*                             | 50.7                    | 407.9                         | 150,700                                                            | 236,600*                             | 56.2                    | 415.9                         | 127,200                                                            | 220,200*                             | 220                          |
| 225                          | 42.8                    | 389.2                         | 168,200                                                            | 246,000*                             | 49.1                    | 403.6                         | 144,900                                                            | 229,800*                             | 54.8                    | 412.4                         | 122,000                                                            | 213,800*                             | 225                          |
| 230                          | 40.9                    | 383.5                         | 162,100                                                            | 239,100*                             | 47.5                    | 399.0                         | 139,400                                                            | 223,300*                             | 53.3                    | 408.6                         | 117,000                                                            | 207,700*                             | 230                          |
| 235                          | 39.0                    | 377.3                         | 156,200                                                            | 232,500*                             | 45.8                    | 394.1                         | 134,100                                                            | 217,100*                             | 51.7                    | 404.7                         | 112,200                                                            | 201,800*                             | 235                          |
| 240                          | 37.1                    | 370.8                         | 150,500                                                            | 226,200*                             | 44.1                    | 389.0                         | 129,000                                                            | 211,100*                             | 50.2                    | 400.5                         | 107,600                                                            | 196,200*                             | 240                          |
| 245                          | 35.0                    | 363.7                         | 145,000                                                            | 220,000*                             | 42.3                    | 383.5                         | 124,100                                                            | 205,300*                             | 48.6                    | 396.1                         | 103,300                                                            | 190,700*                             | 245                          |
| 250                          | 32.8                    | 356.0                         | 139,800                                                            | 214,100*                             | 40.5                    | 377.7                         | 119,300                                                            | 199,800*                             | 47.0                    | 391.5                         | 99,000                                                             | 185,500*                             | 250                          |
| 260                          | 28.0                    | 338.4                         | 129,700                                                            | 202,900*                             | 36.6                    | 364.8                         | 110,400                                                            | 189,300*                             | 43.6                    | 381.3                         | 91,000                                                             | 175,600*                             | 260                          |
| 270                          | 22.2                    | 316.3                         | 120,200                                                            | 192,300*                             | 32.3                    | 349.8                         | 102,000                                                            | 179,500*                             | 39.9                    | 369.8                         | 83,600                                                             | 166,400*                             | 270                          |
| 280                          | 14.2                    | 284.4                         | 110,800                                                            | 182,200*                             | 27.4                    | 331.8                         | 94,100                                                             | 170,200*                             | 36.0                    | 356.5                         | 76,600                                                             | 157,800*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      | 21.4                    | 308.9                         | 86,500                                                             | 161,400*                             | 31.6                    | 341.1                         | 70,000                                                             | 149,700*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      | 13.0                    | 275.0                         | 78,800                                                             | 152,900*                             | 26.5                    | 322.5                         | 63,700                                                             | 142,100*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 20.3                    | 298.5                         | 57,500                                                             | 134,700*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 11.0                    | 260.9                         | 51,100                                                             | 127,300*                             | 320                          |

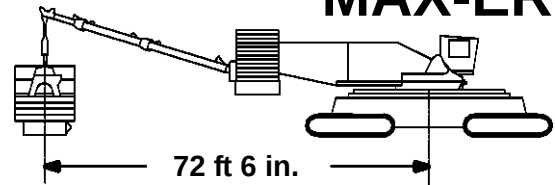
# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 220.0 ft Boom, 260.0 ft Luffing Jib

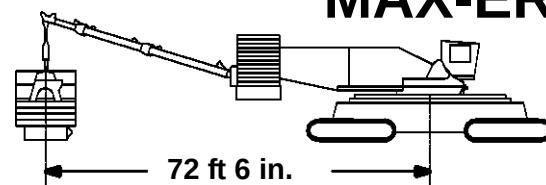
| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 145                          | 68.5                    | 469.4                         | 320,900                                                            | 380,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 67.3                    | 467.2                         | 305,900                                                            | 380,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 66.1                    | 465.0                         | 291,900                                                            | 380,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 64.9                    | 462.7                         | 278,800                                                            | 368,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 63.6                    | 460.2                         | 266,600                                                            | 355,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 62.4                    | 457.5                         | 255,200                                                            | 343,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 61.1                    | 454.8                         | 244,400                                                            | 331,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 59.8                    | 451.9                         | 234,300                                                            | 320,300*                             | 64.6                    | 457.7                         | 203,400                                                            | 299,200*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 58.6                    | 448.8                         | 224,700                                                            | 309,800*                             | 63.3                    | 455.2                         | 194,800                                                            | 289,300*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 57.2                    | 445.6                         | 215,700                                                            | 299,900*                             | 62.1                    | 452.5                         | 186,600                                                            | 279,900*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 55.9                    | 442.2                         | 207,100                                                            | 290,500*                             | 60.8                    | 449.7                         | 178,900                                                            | 271,000*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 54.6                    | 438.6                         | 199,000                                                            | 281,500*                             | 59.6                    | 446.8                         | 171,500                                                            | 262,600*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 53.2                    | 434.9                         | 191,300                                                            | 272,900*                             | 58.3                    | 443.7                         | 164,600                                                            | 254,500*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 51.8                    | 430.9                         | 184,000                                                            | 264,800*                             | 56.9                    | 440.4                         | 158,000                                                            | 246,800*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 50.3                    | 426.8                         | 177,000                                                            | 257,000*                             | 55.6                    | 437.0                         | 151,700                                                            | 239,400*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 48.9                    | 422.4                         | 170,300                                                            | 249,500*                             | 54.2                    | 433.4                         | 145,600                                                            | 232,400*                             | 59.1                    | 439.8                         | 121,400                                                            | 215,500*                             | 220                          |
| 225                          | 47.4                    | 417.8                         | 163,900                                                            | 242,400*                             | 52.9                    | 429.6                         | 139,900                                                            | 225,700*                             | 57.8                    | 436.6                         | 116,200                                                            | 209,200*                             | 225                          |
| 230                          | 45.9                    | 413.0                         | 157,800                                                            | 235,500*                             | 51.5                    | 425.6                         | 134,400                                                            | 219,200*                             | 56.5                    | 433.3                         | 111,300                                                            | 203,100*                             | 230                          |
| 235                          | 44.3                    | 407.8                         | 152,000                                                            | 229,000*                             | 50.0                    | 421.4                         | 129,100                                                            | 213,000*                             | 55.2                    | 429.8                         | 106,600                                                            | 197,300*                             | 235                          |
| 240                          | 42.7                    | 402.4                         | 146,400                                                            | 222,700*                             | 48.5                    | 417.0                         | 124,100                                                            | 207,100*                             | 53.8                    | 426.2                         | 102,100                                                            | 191,700*                             | 240                          |
| 245                          | 41.0                    | 396.7                         | 141,000                                                            | 216,600*                             | 47.0                    | 412.3                         | 119,300                                                            | 201,400*                             | 52.4                    | 422.3                         | 97,800                                                             | 186,300*                             | 245                          |
| 250                          | 39.2                    | 390.6                         | 135,900                                                            | 210,800*                             | 45.5                    | 407.4                         | 114,600                                                            | 195,900*                             | 51.0                    | 418.3                         | 93,600                                                             | 181,200*                             | 250                          |
| 260                          | 35.5                    | 377.1                         | 126,100                                                            | 199,700*                             | 42.3                    | 396.8                         | 105,800                                                            | 185,500*                             | 48.1                    | 409.5                         | 85,700                                                             | 171,400*                             | 260                          |
| 270                          | 31.5                    | 361.6                         | 116,900                                                            | 189,400*                             | 38.8                    | 384.8                         | 97,600                                                             | 175,800*                             | 45.0                    | 399.8                         | 78,400                                                             | 162,300*                             | 270                          |
| 280                          | 26.8                    | 343.1                         | 108,300                                                            | 179,700*                             | 35.1                    | 371.1                         | 90,000                                                             | 166,800*                             | 41.7                    | 388.9                         | 71,600                                                             | 153,800*                             | 280                          |
| 290                          | 21.3                    | 320.0                         | 100,000                                                            | 170,600*                             | 31.0                    | 355.3                         | 82,700                                                             | 158,300*                             | 38.3                    | 376.7                         | 65,200                                                             | 145,900*                             | 290                          |
| 300                          | 13.6                    | 286.6                         | 91,900                                                             | 161,700*                             | 26.3                    | 336.4                         | 75,900                                                             | 150,200*                             | 34.5                    | 362.8                         | 59,200                                                             | 138,400*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      | 20.6                    | 312.5                         | 69,200                                                             | 142,500*                             | 30.3                    | 346.5                         | 53,500                                                             | 131,300*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      | 12.4                    | 277.0                         | 62,400                                                             | 135,000*                             | 25.4                    | 327.0                         | 47,900                                                             | 124,600*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 19.5                    | 301.9                         | 42,500                                                             | 118,100*                             | 330                          |
| 340                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 10.6                    | 262.6                         | 36,800                                                             | 111,500*                             | 340                          |



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 220.0 ft Boom, 280.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 160                          | 66.8                    | 484.7                         | 276,200                                                            | 334,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 65.6                    | 482.4                         | 263,900                                                            | 334,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 64.5                    | 480.0                         | 252,300                                                            | 334,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 63.4                    | 477.5                         | 241,500                                                            | 328,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 62.2                    | 474.9                         | 231,300                                                            | 317,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 61.0                    | 472.1                         | 221,700                                                            | 306,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 59.9                    | 469.2                         | 212,600                                                            | 296,600*                             | 64.3                    | 475.1                         | 183,000                                                            | 276,300*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 58.7                    | 466.1                         | 204,100                                                            | 287,200*                             | 63.1                    | 472.5                         | 175,200                                                            | 267,500*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 57.4                    | 462.9                         | 195,900                                                            | 278,300*                             | 61.9                    | 469.9                         | 167,900                                                            | 259,000*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 56.2                    | 459.6                         | 188,200                                                            | 269,700*                             | 60.8                    | 467.0                         | 160,900                                                            | 251,000*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 55.0                    | 456.0                         | 180,800                                                            | 261,600*                             | 59.6                    | 464.1                         | 154,300                                                            | 243,300*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 53.7                    | 452.4                         | 173,800                                                            | 253,900*                             | 58.4                    | 461.0                         | 148,000                                                            | 236,000*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 52.4                    | 448.5                         | 167,200                                                            | 246,400*                             | 57.2                    | 457.8                         | 142,000                                                            | 229,000*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 51.1                    | 444.5                         | 160,800                                                            | 239,300*                             | 55.9                    | 454.4                         | 136,200                                                            | 222,300*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 49.7                    | 440.2                         | 154,700                                                            | 232,500*                             | 54.7                    | 450.8                         | 130,700                                                            | 215,900*                             | 59.2                    | 457.1                         | 107,100                                                            | 199,500*                             | 230                          |
| 235                          | 48.4                    | 435.8                         | 148,900                                                            | 226,000*                             | 53.4                    | 447.1                         | 125,500                                                            | 209,700*                             | 58.0                    | 454.0                         | 102,400                                                            | 193,700*                             | 235                          |
| 240                          | 47.0                    | 431.1                         | 143,300                                                            | 218,800*                             | 52.1                    | 443.2                         | 120,400                                                            | 203,800*                             | 56.8                    | 450.7                         | 97,900                                                             | 188,100*                             | 240                          |
| 245                          | 45.5                    | 426.2                         | 138,000                                                            | 211,300*                             | 50.8                    | 439.1                         | 115,600                                                            | 198,100*                             | 55.5                    | 447.3                         | 93,600                                                             | 182,800*                             | 245                          |
| 250                          | 44.1                    | 421.1                         | 132,800                                                            | 204,000*                             | 49.4                    | 434.9                         | 111,000                                                            | 192,700*                             | 54.3                    | 443.7                         | 89,500                                                             | 177,700*                             | 250                          |
| 260                          | 41.0                    | 409.9                         | 123,100                                                            | 189,900*                             | 46.7                    | 425.6                         | 102,300                                                            | 182,400*                             | 51.7                    | 435.9                         | 81,700                                                             | 168,000*                             | 260                          |
| 270                          | 37.7                    | 397.4                         | 114,100                                                            | 176,700*                             | 43.7                    | 415.5                         | 94,200                                                             | 172,800*                             | 49.0                    | 427.4                         | 74,400                                                             | 158,900*                             | 270                          |
| 280                          | 34.2                    | 383.3                         | 105,700                                                            | 164,300*                             | 40.6                    | 404.2                         | 86,600                                                             | 163,800*                             | 46.2                    | 418.1                         | 67,700                                                             | 150,500*                             | 280                          |
| 290                          | 30.3                    | 367.0                         | 97,700                                                             | 152,800*                             | 37.3                    | 391.5                         | 79,500                                                             | 155,500*                             | 43.3                    | 407.7                         | 61,400                                                             | 142,700*                             | 290                          |
| 300                          | 25.8                    | 347.7                         | 90,200                                                             | 142,100*                             | 33.8                    | 377.2                         | 72,900                                                             | 147,600*                             | 40.1                    | 396.2                         | 55,500                                                             | 135,300*                             | 300                          |
| 310                          | 20.5                    | 323.5                         | 83,000                                                             | 132,400*                             | 29.8                    | 360.6                         | 66,500                                                             | 140,100*                             | 36.8                    | 383.4                         | 49,900                                                             | 128,300*                             | 310                          |
| 320                          | 13.1                    | 288.9                         | 75,800                                                             | 124,200*                             | 25.3                    | 340.9                         | 60,500                                                             | 133,100*                             | 33.2                    | 368.7                         | 44,600                                                             | 121,800*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      | 19.8                    | 315.9                         | 54,600                                                             | 126,300*                             | 29.1                    | 351.7                         | 39,600                                                             | 115,500*                             | 330                          |
| 340                          |                         |                               |                                                                    |                                      | 12.0                    | 279.0                         | 48,600                                                             | 119,500*                             | 24.5                    | 331.3                         | 34,700                                                             | 109,600*                             | 340                          |
| 350                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 18.7                    | 305.1                         | 29,800                                                             | 103,800*                             | 350                          |
| 360                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 10.1                    | 264.3                         | 24,700                                                             | 97,900*                              | 360                          |

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

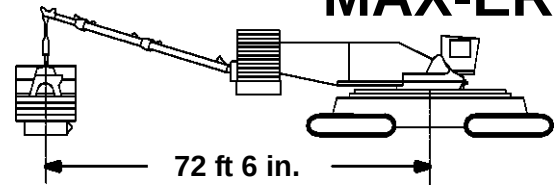
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



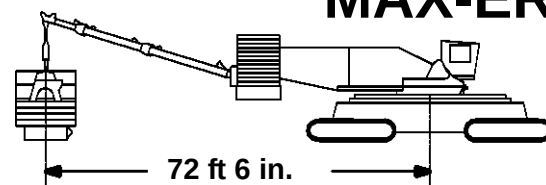
## 220.0 ft Boom, 300.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 175                          | 65.3                    | 499.8                         | 236,600                                                            | 287,600*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 64.2                    | 497.4                         | 226,500                                                            | 279,600*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 63.1                    | 494.9                         | 216,900                                                            | 271,300*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 62.1                    | 492.2                         | 207,800                                                            | 263,000*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 61.0                    | 489.4                         | 199,200                                                            | 254,500*                             | 65.0                         | 494.9                   | 169,700                       | 262,900*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 59.9                    | 486.5                         | 191,100                                                            | 246,400*                             | 64.0                         | 492.4                   | 162,400                       | 254,500*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 58.7                    | 483.5                         | 183,400                                                            | 237,900*                             | 62.9                         | 489.9                   | 155,400                       | 246,500*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 57.6                    | 480.3                         | 176,100                                                            | 229,500*                             | 61.8                         | 487.2                   | 148,800                       | 238,900*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 56.5                    | 477.0                         | 169,100                                                            | 221,300*                             | 60.7                         | 484.4                   | 142,600                       | 231,600*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 55.3                    | 473.5                         | 162,500                                                            | 213,300*                             | 59.6                         | 481.4                   | 136,600                       | 224,600*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 54.1                    | 469.9                         | 156,100                                                            | 205,500*                             | 58.5                         | 478.4                   | 130,900                       | 218,000*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 52.9                    | 466.1                         | 150,100                                                            | 197,800*                             | 57.4                         | 475.1                   | 125,400                       | 211,600*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 51.7                    | 462.1                         | 144,300                                                            | 190,200*                             | 56.2                         | 471.8                   | 120,200                       | 205,500*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 235                          |
| 240                          | 50.5                    | 458.0                         | 138,700                                                            | 182,900*                             | 55.0                         | 468.3                   | 115,200                       | 199,600*                                                           | 59.3                                 | 474.5                        | 92,100                  | 183,500*                      |                                                                    |                                      | 240                          |
| 245                          | 49.2                    | 453.7                         | 133,400                                                            | 175,800*                             | 53.9                         | 464.6                   | 110,400                       | 194,000*                                                           | 58.1                                 | 471.3                        | 87,800                  | 178,200*                      |                                                                    |                                      | 245                          |
| 250                          | 47.9                    | 449.2                         | 128,300                                                            | 168,800*                             | 52.7                         | 460.8                   | 105,800                       | 188,500*                                                           | 57.0                                 | 468.1                        | 83,700                  | 173,100*                      |                                                                    |                                      | 250                          |
| 260                          | 45.3                    | 439.5                         | 118,700                                                            | 155,500*                             | 50.2                         | 452.6                   | 97,200                        | 178,300*                                                           | 54.7                                 | 461.1                        | 76,000                  | 163,500*                      |                                                                    |                                      | 260                          |
| 270                          | 42.5                    | 428.9                         | 109,800                                                            | 142,900*                             | 47.6                         | 443.7                   | 89,200                        | 168,400*                                                           | 52.3                                 | 453.5                        | 68,900                  | 154,600*                      |                                                                    |                                      | 270                          |
| 280                          | 39.5                    | 417.1                         | 101,500                                                            | 131,100*                             | 45.0                         | 434.0                   | 81,700                        | 155,300*                                                           | 49.8                                 | 445.3                        | 62,300                  | 146,200*                      |                                                                    |                                      | 280                          |
| 290                          | 36.4                    | 404.0                         | 93,700                                                             | 120,100*                             | 42.2                         | 423.2                   | 74,700                        | 142,800*                                                           | 47.2                                 | 436.2                        | 56,100                  | 138,400*                      |                                                                    |                                      | 290                          |
| 300                          | 33.0                    | 389.2                         | 86,400                                                             | 109,700*                             | 39.2                         | 411.3                   | 68,200                        | 131,000*                                                           | 44.5                                 | 426.3                        | 50,300                  | 131,100*                      |                                                                    |                                      | 300                          |
| 310                          | 29.2                    | 372.2                         | 79,500                                                             | 100,100*                             | 36.0                         | 398.0                   | 62,100                        | 120,000*                                                           | 41.7                                 | 415.4                        | 44,800                  | 124,300*                      |                                                                    |                                      | 310                          |
| 320                          | 24.9                    | 352.1                         | 72,900                                                             | 91,200*                              | 32.6                         | 383.0                   | 56,200                        | 109,700*                                                           | 38.7                                 | 403.3                        | 39,600                  | 117,800*                      |                                                                    |                                      | 320                          |
| 330                          | 19.7                    | 326.9                         | 66,500                                                             | 83,000*                              | 28.7                         | 365.7                   | 50,700                        | 100,100*                                                           | 35.5                                 | 389.7                        | 34,800                  | 111,700*                      |                                                                    |                                      | 330                          |
| 340                          | 12.6                    | 291.0                         | 60,000                                                             | 75,900*                              | 24.4                         | 345.1                   | 45,300                        | 91,200*                                                            | 32.0                                 | 374.4                        | 30,100                  | 105,900*                      |                                                                    |                                      | 340                          |
| 350                          |                         |                               |                                                                    |                                      | 19.1                         | 319.2                   | 40,100                        | 83,100*                                                            | 28.1                                 | 356.7                        | 25,600                  | 99,000*                       |                                                                    |                                      | 350                          |
| 360                          |                         |                               |                                                                    |                                      | 11.5                         | 281.0                   | 34,700                        | 76,100*                                                            | 23.6                                 | 335.4                        | 21,300                  | 90,300*                       |                                                                    |                                      | 360                          |
| 370                          |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    | 18.1                                 | 308.3                        | 17,000                  | 82,400*                       |                                                                    |                                      | 370                          |
| 380                          |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    | 9.8                                  | 265.9                        | 12,300                  | 75,900*                       |                                                                    |                                      | 380                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



21000  
MAX-ER

## 240.0 ft Boom, 120.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 95                           |                         |                               |                                                                    | c                                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 95                           |
| 100                          |                         |                               |                                                                    | c                                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 100                          |
| 105                          | 64.3                    | 355.1                         | 515,700                                                            | 614,500*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          | 61.6                    | 352.4                         | 486,200                                                            | 584,800*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 58.8                    | 349.3                         | 459,600                                                            | 557,600*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 55.9                    | 345.9                         | 435,200                                                            | 532,600*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 52.9                    | 342.1                         | 413,000                                                            | 509,500*b                            | 64.6                    | 350.6                         | 370,900                                                            | 481,200*b                            |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 49.8                    | 337.9                         | 392,400                                                            | 488,100*                             | 61.9                    | 347.9                         | 352,400                                                            | 461,100*b                            |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 46.5                    | 333.2                         | 373,500                                                            | 468,100*                             | 59.1                    | 344.9                         | 335,400                                                            | 442,300*b                            |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 43.0                    | 327.8                         | 355,800                                                            | 449,500*                             | 56.2                    | 341.6                         | 319,500                                                            | 424,800*b                            |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 39.3                    | 321.8                         | 339,400                                                            | 432,100*                             | 53.3                    | 337.8                         | 304,800                                                            | 408,500*b                            |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 35.2                    | 314.8                         | 323,900                                                            | 415,800*                             | 50.2                    | 333.6                         | 291,100                                                            | 393,200*                             |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 30.6                    | 306.6                         | 309,300                                                            | 400,300*                             | 46.9                    | 329.0                         | 278,200                                                            | 378,800*                             | 59.2                    | 338.4                         | 246,000                                                            | 356,700*b                            | 155                          |
| 160                          | 25.2                    | 296.5                         | 295,400                                                            | 385,600*                             | 43.4                    | 323.7                         | 266,100                                                            | 365,200*                             | 56.3                    | 335.1                         | 235,200                                                            | 344,000*b                            | 160                          |
| 165                          | 18.2                    | 282.8                         | 281,800                                                            | 371,400*                             | 39.7                    | 317.7                         | 254,600                                                            | 352,400*                             | 53.3                    | 331.3                         | 225,100                                                            | 332,000*b                            | 165                          |
| 170                          | 2.9                     | 251.2                         | 266,200                                                            | 356,300*                             | 35.7                    | 310.9                         | 243,700                                                            | 340,200*                             | 50.2                    | 327.2                         | 215,600                                                            | 320,700*                             | 170                          |
| 175                          |                         |                               |                                                                    |                                      | 31.1                    | 302.8                         | 233,300                                                            | 328,600*                             | 46.9                    | 322.5                         | 206,500                                                            | 309,900*                             | 175                          |
| 180                          |                         |                               |                                                                    |                                      | 25.9                    | 293.0                         | 223,300                                                            | 317,500*                             | 43.5                    | 317.2                         | 197,900                                                            | 299,700*                             | 180                          |
| 185                          |                         |                               |                                                                    |                                      | 19.2                    | 279.9                         | 213,400                                                            | 306,600*                             | 39.8                    | 311.3                         | 189,700                                                            | 289,900*                             | 185                          |
| 190                          |                         |                               |                                                                    |                                      | 7.3                     | 255.6                         | 202,400                                                            | 295,300*                             | 35.7                    | 304.5                         | 181,800                                                            | 280,600*                             | 190                          |
| 195                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 31.2                    | 296.4                         | 174,200                                                            | 271,700*                             | 195                          |
| 200                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 25.9                    | 286.6                         | 166,700                                                            | 263,000*                             | 200                          |
| 205                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 19.3                    | 273.6                         | 159,300                                                            | 254,500*                             | 205                          |
| 210                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 7.7                     | 249.8                         | 150,800                                                            | 245,500*                             | 210                          |

Capacities indicated by (b) require 37,000 lb minimum weight suspended beneath luffing jib point.

Do not luff into area indicated by (c) with 37,000 lb minimum weight (see CAUTION on page 1).

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

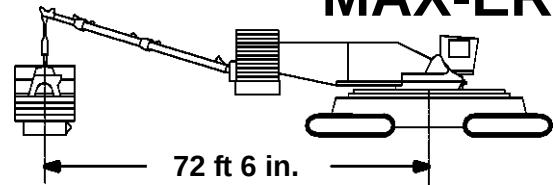
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 240.0 ft Boom, 140.0 ft Luffing Jib

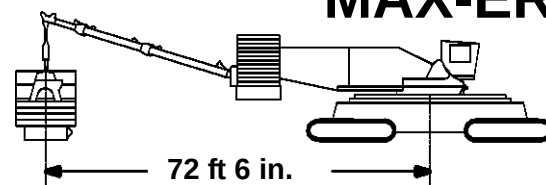
| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 105                          | 68.2                    | 377.2                         | 513,000                                                            | 610,300*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          | 66.0                    | 374.9                         | 483,600                                                            | 580,800*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 63.7                    | 372.4                         | 456,900                                                            | 553,800*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 61.4                    | 369.7                         | 432,600                                                            | 528,900*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 59.0                    | 366.7                         | 410,400                                                            | 506,000*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 56.5                    | 363.3                         | 390,100                                                            | 484,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 54.0                    | 359.7                         | 371,200                                                            | 465,000*                             | 64.0                    | 368.0                         | 331,100                                                            | 437,900*b                            |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 51.4                    | 355.7                         | 353,800                                                            | 446,600*                             | 61.6                    | 365.2                         | 315,400                                                            | 420,600*b                            |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 48.6                    | 351.3                         | 337,600                                                            | 429,500*                             | 59.3                    | 362.2                         | 300,800                                                            | 404,400*b                            |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 45.8                    | 346.4                         | 322,500                                                            | 413,400*                             | 56.8                    | 359.0                         | 287,200                                                            | 389,300*                             |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 42.8                    | 341.1                         | 308,400                                                            | 398,200*                             | 54.3                    | 355.4                         | 274,600                                                            | 375,100*                             |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 39.6                    | 335.1                         | 295,100                                                            | 384,000*                             | 51.7                    | 351.4                         | 262,700                                                            | 361,700*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 36.2                    | 328.3                         | 282,600                                                            | 370,500*                             | 49.0                    | 347.0                         | 251,500                                                            | 349,100*                             | 59.3                    | 355.8                         | 220,100                                                            | 327,500*b                            | 165                          |
| 170                          | 32.4                    | 320.6                         | 270,700                                                            | 357,800*                             | 46.1                    | 342.2                         | 241,000                                                            | 337,200*                             | 56.8                    | 352.5                         | 210,800                                                            | 316,300*                             | 170                          |
| 175                          | 28.2                    | 311.5                         | 259,400                                                            | 345,600*                             | 43.1                    | 336.9                         | 231,100                                                            | 325,900*                             | 54.3                    | 348.9                         | 201,900                                                            | 305,800*                             | 175                          |
| 180                          | 23.2                    | 300.5                         | 248,500                                                            | 333,900*                             | 40.0                    | 331.0                         | 221,600                                                            | 315,200*                             | 51.7                    | 344.9                         | 193,600                                                            | 295,700*                             | 180                          |
| 185                          | 16.8                    | 285.6                         | 237,700                                                            | 322,600*                             | 36.6                    | 324.4                         | 212,600                                                            | 305,000*                             | 49.0                    | 340.6                         | 185,700                                                            | 286,200*                             | 185                          |
| 190                          | 2.5                     | 251.2                         | 225,000                                                            | 310,300*                             | 32.8                    | 316.7                         | 204,000                                                            | 295,200*                             | 46.2                    | 335.8                         | 178,100                                                            | 277,200*                             | 190                          |
| 195                          |                         |                               |                                                                    |                                      | 28.7                    | 307.9                         | 195,700                                                            | 285,900*                             | 43.2                    | 330.5                         | 170,900                                                            | 268,500*                             | 195                          |
| 200                          |                         |                               |                                                                    |                                      | 23.8                    | 297.1                         | 187,600                                                            | 276,800*                             | 40.0                    | 324.6                         | 164,100                                                            | 260,300*                             | 200                          |
| 205                          |                         |                               |                                                                    |                                      | 17.6                    | 282.8                         | 179,500                                                            | 268,000*                             | 36.6                    | 317.9                         | 157,400                                                            | 252,400*                             | 205                          |
| 210                          |                         |                               |                                                                    |                                      | 6.6                     | 256.5                         | 170,500                                                            | 258,700*                             | 32.9                    | 310.3                         | 151,100                                                            | 244,700*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 28.7                    | 301.5                         | 144,900                                                            | 237,400*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 23.9                    | 290.7                         | 138,700                                                            | 230,200*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 17.7                    | 276.5                         | 132,500                                                            | 223,100*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 7.0                     | 250.8                         | 125,400                                                            | 215,600*                             | 230                          |

Capacities indicated by **(b)** require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 240.0 ft Boom, 160.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 110                          | 69.2                    | 396.8                         | 480,900                                                            | 577,700 <b>*b</b>                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 67.2                    | 394.6                         | 454,300                                                            | 550,800 <b>*b</b>                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 65.3                    | 392.3                         | 430,100                                                            | 526,000 <b>*b</b>                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 63.2                    | 389.8                         | 408,000                                                            | 503,200 <b>*b</b>                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 61.2                    | 387.0                         | 387,700                                                            | 482,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 59.1                    | 384.0                         | 369,000                                                            | 462,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 57.0                    | 380.7                         | 351,700                                                            | 444,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 54.8                    | 377.2                         | 335,600                                                            | 427,100*                             | 63.5                    | 385.3                         | 297,400                                                            | 401,200 <b>*b</b>                    |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 52.5                    | 373.3                         | 320,700                                                            | 411,200*                             | 61.4                    | 382.6                         | 283,900                                                            | 386,200*                             |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 50.2                    | 369.2                         | 306,700                                                            | 396,200*                             | 59.3                    | 379.6                         | 271,400                                                            | 372,100*                             |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 47.8                    | 364.6                         | 293,600                                                            | 382,100*                             | 57.2                    | 376.4                         | 259,600                                                            | 358,900*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 45.2                    | 359.7                         | 281,400                                                            | 368,800*                             | 55.0                    | 372.8                         | 248,600                                                            | 346,400*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 42.6                    | 354.3                         | 269,800                                                            | 356,300*                             | 52.8                    | 369.0                         | 238,300                                                            | 334,600*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 39.8                    | 348.3                         | 258,900                                                            | 344,400*                             | 50.5                    | 364.9                         | 228,500                                                            | 323,500*                             | 59.4                    | 373.1                         | 198,100                                                            | 302,500*                             | 175                          |
| 180                          | 36.9                    | 341.7                         | 248,500                                                            | 333,100*                             | 48.0                    | 360.4                         | 219,300                                                            | 312,900*                             | 57.2                    | 369.9                         | 189,900                                                            | 292,600*                             | 180                          |
| 185                          | 33.7                    | 334.3                         | 238,700                                                            | 322,400*                             | 45.5                    | 355.5                         | 210,500                                                            | 302,900*                             | 55.1                    | 366.4                         | 182,200                                                            | 283,200*                             | 185                          |
| 190                          | 30.2                    | 325.9                         | 229,300                                                            | 312,200*                             | 42.9                    | 350.1                         | 202,200                                                            | 293,300*                             | 52.8                    | 362.5                         | 174,800                                                            | 274,300*                             | 190                          |
| 195                          | 26.2                    | 316.1                         | 220,200                                                            | 302,400*                             | 40.2                    | 344.3                         | 194,300                                                            | 284,200*                             | 50.5                    | 358.4                         | 167,800                                                            | 265,800*                             | 195                          |
| 200                          | 21.6                    | 304.1                         | 211,400                                                            | 292,900*                             | 37.2                    | 337.7                         | 186,800                                                            | 275,600*                             | 48.1                    | 353.9                         | 161,100                                                            | 257,700*                             | 200                          |
| 205                          | 15.6                    | 288.2                         | 202,700                                                            | 283,600*                             | 34.0                    | 330.5                         | 179,500                                                            | 267,200*                             | 45.6                    | 349.0                         | 154,800                                                            | 249,900*                             | 205                          |
| 210                          | 2.1                     | 251.1                         | 192,200                                                            | 273,400*                             | 30.6                    | 322.2                         | 172,500                                                            | 259,200*                             | 43.0                    | 343.7                         | 148,700                                                            | 242,500*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      | 26.7                    | 312.5                         | 165,700                                                            | 251,500*                             | 40.2                    | 337.8                         | 142,800                                                            | 235,400*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      | 22.2                    | 300.9                         | 159,100                                                            | 244,100*                             | 37.3                    | 331.3                         | 137,200                                                            | 228,600*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      | 16.4                    | 285.6                         | 152,400                                                            | 236,700*                             | 34.1                    | 324.0                         | 131,800                                                            | 222,000*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      | 6.1                     | 257.4                         | 144,800                                                            | 228,800*                             | 30.6                    | 315.8                         | 126,500                                                            | 215,700*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 26.8                    | 306.1                         | 121,300                                                            | 209,500*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 22.2                    | 294.5                         | 116,200                                                            | 203,500*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 16.5                    | 279.3                         | 111,000                                                            | 197,500*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 6.4                     | 251.6                         | 104,900                                                            | 191,100*                             | 250                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

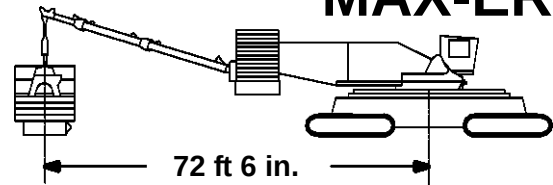
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 240.0 ft Boom, 180.0 ft Luffing Jib

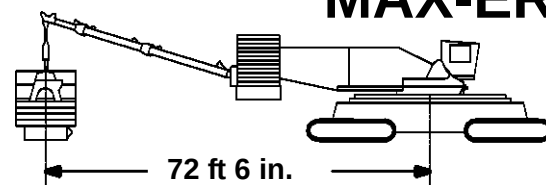
| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 115                          | 69.9                    | 416.3                         | 451,200                                                            | 546,300*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 68.2                    | 414.3                         | 426,900                                                            | 521,600*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 66.4                    | 412.1                         | 404,700                                                            | 498,900*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 64.7                    | 409.7                         | 384,300                                                            | 477,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 62.9                    | 407.1                         | 365,600                                                            | 458,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 61.1                    | 404.3                         | 348,300                                                            | 440,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 59.2                    | 401.3                         | 332,200                                                            | 423,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 57.3                    | 398.1                         | 317,300                                                            | 407,300*                             | 64.9                    | 405.2                         | 279,200                                                            | 381,500*                             |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 55.4                    | 394.6                         | 303,400                                                            | 392,400*                             | 63.1                    | 402.6                         | 266,700                                                            | 367,500*                             |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 53.4                    | 390.9                         | 290,400                                                            | 378,500*                             | 61.3                    | 399.9                         | 255,000                                                            | 354,300*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 51.4                    | 386.9                         | 278,200                                                            | 365,300*                             | 59.4                    | 396.9                         | 244,000                                                            | 342,000*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 49.3                    | 382.6                         | 266,700                                                            | 352,900*                             | 57.5                    | 393.7                         | 233,700                                                            | 330,300*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 47.1                    | 378.0                         | 255,900                                                            | 341,100*                             | 55.6                    | 390.3                         | 224,100                                                            | 319,200*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 44.8                    | 372.9                         | 245,700                                                            | 330,000*                             | 53.6                    | 386.6                         | 214,900                                                            | 308,800*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 42.5                    | 367.5                         | 236,100                                                            | 319,400*                             | 51.6                    | 382.6                         | 206,300                                                            | 298,900*                             | 59.4                    | 390.4                         | 176,700                                                            | 278,400*                             | 185                          |
| 190                          | 40.0                    | 361.6                         | 226,900                                                            | 309,400*                             | 49.5                    | 378.3                         | 198,100                                                            | 289,400*                             | 57.6                    | 387.2                         | 169,400                                                            | 269,600*                             | 190                          |
| 195                          | 37.4                    | 355.1                         | 218,200                                                            | 299,800*                             | 47.3                    | 373.7                         | 190,300                                                            | 280,500*                             | 55.6                    | 383.8                         | 162,500                                                            | 261,200*                             | 195                          |
| 200                          | 34.6                    | 347.9                         | 209,800                                                            | 290,700*                             | 45.1                    | 368.8                         | 182,900                                                            | 271,900*                             | 53.7                    | 380.1                         | 156,000                                                            | 253,200*                             | 200                          |
| 205                          | 31.6                    | 340.0                         | 201,900                                                            | 281,900*                             | 42.7                    | 363.4                         | 175,900                                                            | 263,800*                             | 51.6                    | 376.1                         | 149,800                                                            | 245,600*                             | 205                          |
| 210                          | 28.3                    | 330.9                         | 194,200                                                            | 273,500*                             | 40.3                    | 357.5                         | 169,200                                                            | 256,000*                             | 49.5                    | 371.9                         | 143,800                                                            | 238,300*                             | 210                          |
| 215                          | 24.6                    | 320.4                         | 186,800                                                            | 265,400*                             | 37.7                    | 351.1                         | 162,700                                                            | 248,500*                             | 47.4                    | 367.3                         | 138,100                                                            | 231,300*                             | 215                          |
| 220                          | 20.3                    | 307.6                         | 179,500                                                            | 257,500*                             | 35.0                    | 344.0                         | 156,500                                                            | 241,300*                             | 45.1                    | 362.3                         | 132,700                                                            | 224,600*                             | 220                          |
| 225                          | 14.6                    | 290.6                         | 172,200                                                            | 249,800*                             | 32.0                    | 336.1                         | 150,500                                                            | 234,400*                             | 42.8                    | 356.9                         | 127,400                                                            | 218,200*                             | 225                          |
| 230                          | 1.9                     | 251.0                         | 163,300                                                            | 241,200*                             | 28.7                    | 327.2                         | 144,700                                                            | 227,700*                             | 40.3                    | 351.1                         | 122,400                                                            | 212,100*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      | 25.1                    | 316.9                         | 139,000                                                            | 221,300*                             | 37.7                    | 344.6                         | 117,600                                                            | 206,100*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      | 20.8                    | 304.5                         | 133,500                                                            | 215,000*                             | 35.0                    | 337.6                         | 112,900                                                            | 200,400*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      | 15.4                    | 288.1                         | 127,800                                                            | 208,700*                             | 32.0                    | 329.7                         | 108,300                                                            | 194,900*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      | 5.7                     | 258.1                         | 121,300                                                            | 202,000*                             | 28.8                    | 320.8                         | 103,900                                                            | 189,500*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 20.9                    | 298.1                         | 95,100                                                             | 179,100*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 6.0                     | 252.5                         | 85,400                                                             | 168,400*                             | 270                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 240.0 ft Boom, 200.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 125                          | 68.9                    | 433.8                         | 401,300                                                            | 495,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 67.4                    | 431.7                         | 380,900                                                            | 474,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 65.8                    | 429.5                         | 362,200                                                            | 455,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 64.2                    | 427.0                         | 344,900                                                            | 436,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 62.6                    | 424.4                         | 328,900                                                            | 420,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 61.0                    | 421.6                         | 314,100                                                            | 404,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 59.3                    | 418.6                         | 300,200                                                            | 389,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 57.6                    | 415.5                         | 287,200                                                            | 375,500*                             | 64.4                    | 422.6                         | 250,900                                                            | 350,800*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 55.9                    | 412.1                         | 275,100                                                            | 362,400*                             | 62.8                    | 420.0                         | 240,000                                                            | 338,500*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 54.1                    | 408.4                         | 263,700                                                            | 350,100*                             | 61.1                    | 417.2                         | 229,800                                                            | 326,900*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 52.3                    | 404.6                         | 253,000                                                            | 338,400*                             | 59.5                    | 414.2                         | 220,200                                                            | 315,900*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 50.4                    | 400.4                         | 242,900                                                            | 327,300*                             | 57.8                    | 411.1                         | 211,200                                                            | 305,500*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 48.5                    | 396.0                         | 233,400                                                            | 316,800*                             | 56.1                    | 407.7                         | 202,600                                                            | 295,700*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 46.5                    | 391.3                         | 224,300                                                            | 306,900*                             | 54.3                    | 404.1                         | 194,500                                                            | 286,300*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 44.5                    | 386.2                         | 215,700                                                            | 297,400*                             | 52.5                    | 400.2                         | 186,800                                                            | 277,400*                             | 59.5                    | 407.7                         | 158,200                                                            | 257,700*                             | 195                          |
| 200                          | 42.4                    | 380.7                         | 207,600                                                            | 288,400*                             | 50.6                    | 396.1                         | 179,500                                                            | 269,000*                             | 57.8                    | 404.6                         | 151,800                                                            | 249,700*                             | 200                          |
| 205                          | 40.2                    | 374.8                         | 199,800                                                            | 279,800*                             | 48.7                    | 391.8                         | 172,600                                                            | 260,900*                             | 56.1                    | 401.2                         | 145,600                                                            | 242,200*                             | 205                          |
| 210                          | 37.8                    | 368.4                         | 192,300                                                            | 271,600*                             | 46.8                    | 387.0                         | 166,000                                                            | 253,200*                             | 54.3                    | 397.6                         | 139,700                                                            | 234,900*                             | 210                          |
| 215                          | 35.4                    | 361.5                         | 185,200                                                            | 263,700*                             | 44.7                    | 382.0                         | 159,700                                                            | 245,800*                             | 52.5                    | 393.8                         | 134,200                                                            | 228,000*                             | 215                          |
| 220                          | 32.7                    | 353.8                         | 178,400                                                            | 256,100*                             | 42.6                    | 376.6                         | 153,600                                                            | 238,800*                             | 50.7                    | 389.7                         | 128,800                                                            | 221,400*                             | 220                          |
| 225                          | 29.9                    | 345.3                         | 171,800                                                            | 248,800*                             | 40.4                    | 370.8                         | 147,800                                                            | 232,000*                             | 48.8                    | 385.3                         | 123,700                                                            | 215,100*                             | 225                          |
| 230                          | 26.8                    | 335.6                         | 165,500                                                            | 241,800*                             | 38.1                    | 364.4                         | 142,200                                                            | 225,500*                             | 46.8                    | 380.6                         | 118,800                                                            | 209,000*                             | 230                          |
| 235                          | 23.3                    | 324.4                         | 159,300                                                            | 235,000*                             | 35.7                    | 357.5                         | 136,900                                                            | 219,200*                             | 44.8                    | 375.5                         | 114,100                                                            | 203,200*                             | 235                          |
| 240                          | 19.2                    | 310.9                         | 153,200                                                            | 228,400*                             | 33.1                    | 349.9                         | 131,700                                                            | 213,200*                             | 42.6                    | 370.1                         | 109,600                                                            | 197,600*                             | 240                          |
| 245                          | 13.8                    | 292.9                         | 147,000                                                            | 221,800*                             | 30.3                    | 341.5                         | 126,700                                                            | 207,400*                             | 40.4                    | 364.3                         | 105,200                                                            | 192,200*                             | 245                          |
| 250                          | 1.7                     | 250.9                         | 139,300                                                            | 214,400*                             | 27.2                    | 332.0                         | 121,800                                                            | 201,700*                             | 38.1                    | 358.0                         | 101,000                                                            | 187,000*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      | 19.7                    | 307.8                         | 112,300                                                            | 190,800*                             | 33.1                    | 343.5                         | 92,900                                                             | 177,100*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      | 5.3                     | 258.9                         | 101,800                                                            | 179,700*                             | 27.2                    | 325.6                         | 85,200                                                             | 167,700*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 19.7                    | 301.5                         | 77,800                                                             | 158,800*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 5.6                     | 253.3                         | 69,300                                                             | 149,500*                             | 290                          |

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

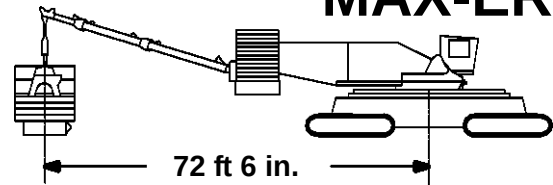
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 240.0 ft Boom, 220.0 ft Luffing Jib

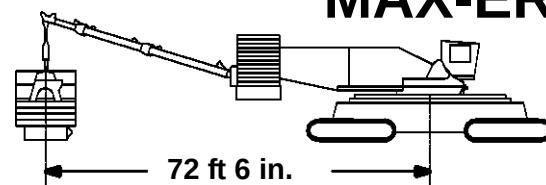
| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 130                          | 69.5                    | 453.4                         | 376,100                                                            | 460,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 68.1                    | 451.4                         | 357,400                                                            | 450,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 66.7                    | 449.2                         | 340,100                                                            | 432,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 65.3                    | 446.9                         | 324,100                                                            | 415,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 63.8                    | 444.4                         | 309,300                                                            | 400,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 62.4                    | 441.8                         | 295,500                                                            | 385,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 60.9                    | 439.0                         | 282,600                                                            | 371,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 59.4                    | 436.0                         | 270,500                                                            | 358,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 57.8                    | 432.8                         | 259,200                                                            | 346,000*                             | 64.0                    | 439.9                         | 224,200                                                            | 322,200*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 56.2                    | 429.5                         | 248,500                                                            | 334,400*                             | 62.5                    | 437.3                         | 214,700                                                            | 311,300*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 54.6                    | 425.9                         | 238,400                                                            | 323,400*                             | 61.0                    | 434.5                         | 205,700                                                            | 301,000*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 53.0                    | 422.1                         | 229,000                                                            | 313,000*                             | 59.5                    | 431.6                         | 197,200                                                            | 291,200*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 51.3                    | 418.1                         | 220,000                                                            | 303,100*                             | 58.0                    | 428.4                         | 189,200                                                            | 281,900*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 49.6                    | 413.9                         | 211,500                                                            | 293,700*                             | 56.4                    | 425.1                         | 181,600                                                            | 273,100*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 47.9                    | 409.4                         | 203,400                                                            | 284,800*                             | 54.8                    | 421.6                         | 174,300                                                            | 264,700*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 46.1                    | 404.6                         | 195,700                                                            | 276,200*                             | 53.2                    | 417.8                         | 167,500                                                            | 256,700*                             | 59.5                    | 425.1                         | 139,600                                                            | 237,300*                             | 205                          |
| 210                          | 44.2                    | 399.4                         | 188,400                                                            | 268,100*                             | 51.5                    | 413.8                         | 161,000                                                            | 249,000*                             | 58.0                    | 421.9                         | 133,800                                                            | 230,200*                             | 210                          |
| 215                          | 42.3                    | 394.0                         | 181,400                                                            | 260,300*                             | 49.8                    | 409.6                         | 154,700                                                            | 241,700*                             | 56.4                    | 418.6                         | 128,300                                                            | 223,400*                             | 215                          |
| 220                          | 40.3                    | 388.1                         | 174,700                                                            | 252,800*                             | 48.1                    | 405.1                         | 148,800                                                            | 234,700*                             | 54.9                    | 415.1                         | 123,100                                                            | 216,800*                             | 220                          |
| 225                          | 38.2                    | 381.8                         | 168,300                                                            | 245,700*                             | 46.3                    | 400.4                         | 143,100                                                            | 228,000*                             | 53.2                    | 411.3                         | 118,000                                                            | 210,600*                             | 225                          |
| 230                          | 36.0                    | 374.9                         | 162,200                                                            | 238,800*                             | 44.4                    | 395.3                         | 137,600                                                            | 221,600*                             | 51.6                    | 407.4                         | 113,200                                                            | 204,600*                             | 230                          |
| 235                          | 33.6                    | 367.5                         | 156,300                                                            | 232,200*                             | 42.5                    | 389.8                         | 132,400                                                            | 215,500*                             | 49.9                    | 403.1                         | 108,600                                                            | 198,800*                             | 235                          |
| 240                          | 31.1                    | 359.3                         | 150,600                                                            | 225,800*                             | 40.5                    | 384.0                         | 127,400                                                            | 209,500*                             | 48.1                    | 398.6                         | 104,200                                                            | 193,300*                             | 240                          |
| 245                          | 28.5                    | 350.3                         | 145,000                                                            | 219,700*                             | 38.4                    | 377.7                         | 122,500                                                            | 203,800*                             | 46.3                    | 393.9                         | 99,900                                                             | 188,000*                             | 245                          |
| 250                          | 25.5                    | 340.1                         | 139,700                                                            | 213,700*                             | 36.2                    | 371.0                         | 117,800                                                            | 198,300*                             | 44.5                    | 388.8                         | 95,800                                                             | 182,800*                             | 250                          |
| 260                          | 18.2                    | 314.0                         | 129,200                                                            | 202,200*                             | 31.4                    | 355.5                         | 108,900                                                            | 187,900*                             | 40.5                    | 377.5                         | 88,000                                                             | 173,100*                             | 260                          |
| 270                          | 1.5                     | 250.8                         | 117,200                                                            | 190,100*                             | 25.8                    | 336.5                         | 100,500                                                            | 178,000*                             | 36.3                    | 364.5                         | 80,800                                                             | 164,000*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      | 18.7                    | 311.0                         | 92,300                                                             | 168,600*                             | 31.5                    | 349.1                         | 73,900                                                             | 155,500*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      | 5.0                     | 259.6                         | 83,100                                                             | 158,900*                             | 25.9                    | 330.2                         | 67,300                                                             | 147,400*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 18.8                    | 304.7                         | 60,800                                                             | 139,600*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 5.3                     | 254.0                         | 53,300                                                             | 131,400*                             | 310                          |



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 240.0 ft Boom, 240.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 140                          | 68.8                    | 470.9                         | 335,900                                                            | 408,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 67.5                    | 468.8                         | 320,000                                                            | 408,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 66.2                    | 466.6                         | 305,100                                                            | 396,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 64.9                    | 464.2                         | 291,300                                                            | 381,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 63.5                    | 461.7                         | 278,400                                                            | 367,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 62.2                    | 459.1                         | 266,300                                                            | 354,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 60.8                    | 456.3                         | 255,000                                                            | 342,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 59.4                    | 453.3                         | 244,400                                                            | 330,800*                             | 65.0                    | 459.8                         | 209,900                                                            | 307,300*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 58.0                    | 450.2                         | 234,300                                                            | 319,900*                             | 63.7                    | 457.3                         | 200,900                                                            | 297,000*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 56.6                    | 446.9                         | 224,900                                                            | 309,500*                             | 62.3                    | 454.6                         | 192,500                                                            | 287,300*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 55.1                    | 443.4                         | 215,900                                                            | 299,600*                             | 61.0                    | 451.8                         | 184,500                                                            | 278,000*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 53.6                    | 439.7                         | 207,500                                                            | 290,300*                             | 59.6                    | 448.9                         | 176,900                                                            | 269,200*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 52.1                    | 435.8                         | 199,400                                                            | 281,400*                             | 58.2                    | 445.8                         | 169,700                                                            | 260,900*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 50.6                    | 431.7                         | 191,800                                                            | 272,900*                             | 56.7                    | 442.5                         | 162,900                                                            | 252,900*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 49.0                    | 427.3                         | 184,500                                                            | 264,800*                             | 55.3                    | 439.0                         | 156,400                                                            | 245,300*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 47.4                    | 422.7                         | 177,600                                                            | 257,000*                             | 53.8                    | 435.3                         | 150,200                                                            | 238,100*                             | 59.6                    | 442.4                         | 123,300                                                            | 219,300*                             | 215                          |
| 220                          | 45.7                    | 417.8                         | 171,000                                                            | 249,600*                             | 52.3                    | 431.5                         | 144,300                                                            | 231,100*                             | 58.2                    | 439.3                         | 118,100                                                            | 212,800*                             | 220                          |
| 225                          | 44.0                    | 412.7                         | 164,700                                                            | 242,500*                             | 50.7                    | 427.4                         | 138,700                                                            | 224,500*                             | 56.8                    | 436.0                         | 113,100                                                            | 206,600*                             | 225                          |
| 230                          | 42.2                    | 407.2                         | 158,600                                                            | 235,700*                             | 49.2                    | 423.0                         | 133,300                                                            | 218,100*                             | 55.3                    | 432.5                         | 108,300                                                            | 200,700*                             | 230                          |
| 235                          | 40.4                    | 401.3                         | 152,800                                                            | 229,200*                             | 47.6                    | 418.5                         | 128,100                                                            | 212,000*                             | 53.8                    | 428.9                         | 103,800                                                            | 195,000*                             | 235                          |
| 240                          | 38.5                    | 395.1                         | 147,200                                                            | 222,900*                             | 45.9                    | 413.6                         | 123,200                                                            | 206,100*                             | 52.3                    | 425.0                         | 99,400                                                             | 189,500*                             | 240                          |
| 245                          | 36.5                    | 388.3                         | 141,800                                                            | 216,900*                             | 44.2                    | 408.5                         | 118,400                                                            | 200,500*                             | 50.8                    | 420.9                         | 95,200                                                             | 184,200*                             | 245                          |
| 250                          | 34.4                    | 381.1                         | 136,600                                                            | 211,000*                             | 42.4                    | 403.0                         | 113,800                                                            | 195,000*                             | 49.2                    | 416.6                         | 91,200                                                             | 179,100*                             | 250                          |
| 260                          | 29.8                    | 364.6                         | 126,800                                                            | 200,000*                             | 38.7                    | 391.0                         | 105,100                                                            | 184,700*                             | 45.9                    | 407.2                         | 83,500                                                             | 169,500*                             | 260                          |
| 270                          | 24.4                    | 344.4                         | 117,500                                                            | 189,600*                             | 34.6                    | 377.2                         | 97,000                                                             | 175,100*                             | 42.4                    | 396.6                         | 76,400                                                             | 160,600*                             | 270                          |
| 280                          | 17.4                    | 317.0                         | 108,500                                                            | 179,700*                             | 30.0                    | 360.9                         | 89,400                                                             | 166,100*                             | 38.7                    | 384.6                         | 69,800                                                             | 152,200*                             | 280                          |
| 290                          | 1.3                     | 250.7                         | 97,900                                                             | 169,100*                             | 24.7                    | 340.9                         | 82,100                                                             | 157,600*                             | 34.6                    | 370.8                         | 63,500                                                             | 144,300*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      | 17.9                    | 314.1                         | 74,900                                                             | 149,300*                             | 30.1                    | 354.5                         | 57,500                                                             | 136,900*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      | 4.8                     | 260.3                         | 66,800                                                             | 140,800*                             | 24.7                    | 334.5                         | 51,800                                                             | 129,800*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 17.9                    | 307.8                         | 46,000                                                             | 123,000*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 5.0                     | 254.8                         | 39,400                                                             | 115,700*                             | 330                          |

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

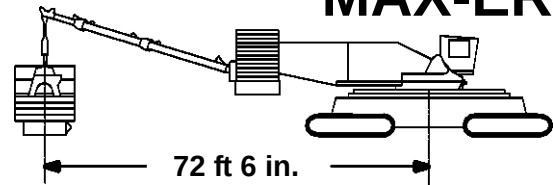
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



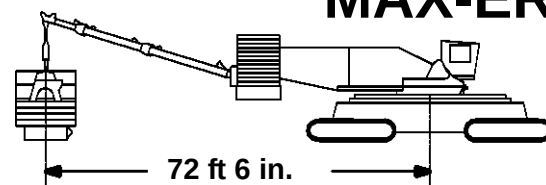
## 240.0 ft Boom, 260.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 150                          | 68.1                    | 488.4                         | 301,600                                                            | 356,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 66.9                    | 486.3                         | 287,700                                                            | 356,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 65.7                    | 484.0                         | 274,700                                                            | 356,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 64.5                    | 481.6                         | 262,600                                                            | 350,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 63.2                    | 479.1                         | 251,200                                                            | 338,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 62.0                    | 476.4                         | 240,500                                                            | 326,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 60.7                    | 473.6                         | 230,400                                                            | 315,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 59.5                    | 470.6                         | 220,900                                                            | 305,400*                             | 64.6                    | 477.1                         | 187,600                                                            | 282,600*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 58.2                    | 467.5                         | 212,000                                                            | 295,600*                             | 63.4                    | 474.6                         | 179,600                                                            | 273,400*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 56.8                    | 464.2                         | 203,500                                                            | 286,300*                             | 62.1                    | 472.0                         | 172,000                                                            | 264,700*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 55.5                    | 460.8                         | 195,400                                                            | 277,400*                             | 60.9                    | 469.1                         | 164,800                                                            | 256,400*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 54.1                    | 457.2                         | 187,800                                                            | 269,000*                             | 59.6                    | 466.2                         | 158,000                                                            | 248,500*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 52.8                    | 453.4                         | 180,500                                                            | 260,900*                             | 58.3                    | 463.1                         | 151,600                                                            | 240,900*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 51.3                    | 449.4                         | 173,600                                                            | 253,200*                             | 57.0                    | 459.9                         | 145,400                                                            | 233,700*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 49.9                    | 445.1                         | 167,000                                                            | 245,800*                             | 55.7                    | 456.4                         | 139,500                                                            | 226,800*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 48.4                    | 440.7                         | 160,700                                                            | 238,800*                             | 54.3                    | 452.8                         | 133,900                                                            | 220,200*                             | 59.6                    | 459.7                         | 107,500                                                            | 201,900*                             | 225                          |
| 230                          | 46.9                    | 436.0                         | 154,700                                                            | 232,000*                             | 52.9                    | 449.0                         | 128,500                                                            | 213,900*                             | 58.3                    | 456.6                         | 102,800                                                            | 196,000*                             | 230                          |
| 235                          | 45.4                    | 431.1                         | 148,900                                                            | 225,600*                             | 51.5                    | 445.1                         | 123,400                                                            | 207,800*                             | 57.0                    | 453.4                         | 98,200                                                             | 190,300*                             | 235                          |
| 240                          | 43.8                    | 425.9                         | 143,400                                                            | 219,300*                             | 50.1                    | 440.9                         | 118,500                                                            | 202,000*                             | 55.7                    | 449.9                         | 93,900                                                             | 184,900*                             | 240                          |
| 245                          | 42.1                    | 420.4                         | 138,100                                                            | 213,300*                             | 48.6                    | 436.5                         | 113,700                                                            | 196,400*                             | 54.3                    | 446.3                         | 89,700                                                             | 179,600*                             | 245                          |
| 250                          | 40.5                    | 414.6                         | 132,900                                                            | 207,600*                             | 47.1                    | 431.8                         | 109,200                                                            | 191,000*                             | 52.9                    | 442.5                         | 85,700                                                             | 174,600*                             | 250                          |
| 260                          | 36.9                    | 401.7                         | 123,300                                                            | 196,700*                             | 44.0                    | 421.8                         | 100,600                                                            | 180,800*                             | 50.1                    | 434.4                         | 78,200                                                             | 165,100*                             | 260                          |
| 270                          | 32.9                    | 387.0                         | 114,200                                                            | 186,500*                             | 40.6                    | 410.5                         | 92,700                                                             | 171,300*                             | 47.1                    | 425.4                         | 71,200                                                             | 156,300*                             | 270                          |
| 280                          | 28.5                    | 369.7                         | 105,700                                                            | 177,000*                             | 37.1                    | 397.7                         | 85,200                                                             | 162,500*                             | 44.0                    | 415.3                         | 64,700                                                             | 148,000*                             | 280                          |
| 290                          | 23.4                    | 348.4                         | 97,700                                                             | 167,900*                             | 33.2                    | 383.1                         | 78,200                                                             | 154,100*                             | 40.7                    | 404.0                         | 58,600                                                             | 140,300*                             | 290                          |
| 300                          | 16.7                    | 319.9                         | 89,800                                                             | 159,300*                             | 28.8                    | 366.0                         | 71,500                                                             | 146,300*                             | 37.1                    | 391.3                         | 52,800                                                             | 133,000*                             | 300                          |
| 310                          | 1.2                     | 250.5                         | 80,400                                                             | 149,900*                             | 23.7                    | 345.0                         | 65,100                                                             | 138,800*                             | 33.2                    | 376.7                         | 47,300                                                             | 126,200*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      | 17.1                    | 317.0                         | 58,800                                                             | 131,600*                             | 28.8                    | 359.6                         | 42,100                                                             | 119,600*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      | 4.5                     | 260.9                         | 51,600                                                             | 124,000*                             | 23.7                    | 338.6                         | 37,000                                                             | 113,400*                             | 330                          |
| 340                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 17.2                    | 310.8                         | 32,000                                                             | 107,300*                             | 340                          |
| 350                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 4.8                     | 255.5                         | 26,000                                                             | 100,800*                             | 350                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 240.0 ft Boom, 280.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 165                          | 66.4                    | 503.7                         | 258,600                                                            | 312,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 65.3                    | 501.4                         | 247,200                                                            | 312,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 64.2                    | 499.0                         | 236,600                                                            | 312,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 63.0                    | 496.4                         | 226,500                                                            | 312,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 61.9                    | 493.7                         | 217,000                                                            | 302,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 60.7                    | 490.9                         | 208,100                                                            | 292,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 59.5                    | 488.0                         | 199,600                                                            | 283,000*                             | 64.3                    | 494.5                         | 167,600                                                            | 261,000*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 58.3                    | 484.9                         | 191,600                                                            | 274,200*                             | 63.1                    | 492.0                         | 160,400                                                            | 252,800*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 57.1                    | 481.6                         | 184,000                                                            | 265,700*                             | 62.0                    | 489.3                         | 153,600                                                            | 244,900*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 55.8                    | 478.2                         | 176,700                                                            | 257,700*                             | 60.8                    | 486.5                         | 147,200                                                            | 237,300*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 54.6                    | 474.6                         | 169,800                                                            | 250,000*                             | 59.6                    | 483.5                         | 141,100                                                            | 230,200*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 53.3                    | 470.9                         | 163,300                                                            | 242,700*                             | 58.4                    | 480.5                         | 135,200                                                            | 223,300*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 52.0                    | 467.0                         | 157,000                                                            | 235,700*                             | 57.2                    | 477.2                         | 129,600                                                            | 216,700*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 50.7                    | 462.9                         | 151,000                                                            | 229,000*                             | 56.0                    | 473.8                         | 124,300                                                            | 210,400*                             |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 49.3                    | 458.6                         | 145,300                                                            | 222,500*                             | 54.7                    | 470.3                         | 119,200                                                            | 204,400*                             | 59.6                    | 477.0                         | 93,500                                                             | 186,600*                             | 235                          |
| 240                          | 48.0                    | 454.1                         | 139,800                                                            | 216,300*                             | 53.4                    | 466.6                         | 114,300                                                            | 198,600*                             | 58.4                    | 474.0                         | 89,300                                                             | 181,200*                             | 240                          |
| 245                          | 46.5                    | 449.4                         | 134,500                                                            | 210,400*                             | 52.1                    | 462.7                         | 109,600                                                            | 193,100*                             | 57.2                    | 470.7                         | 85,100                                                             | 176,000*                             | 245                          |
| 250                          | 45.1                    | 444.4                         | 129,400                                                            | 204,700*                             | 50.8                    | 458.6                         | 105,100                                                            | 187,700*                             | 56.0                    | 467.3                         | 81,200                                                             | 171,000*                             | 250                          |
| 260                          | 42.1                    | 433.6                         | 119,900                                                            | 193,800*                             | 48.1                    | 449.9                         | 96,600                                                             | 177,600*                             | 53.5                    | 460.1                         | 73,700                                                             | 161,600*                             | 260                          |
| 270                          | 38.9                    | 421.6                         | 111,000                                                            | 181,000*                             | 45.3                    | 440.2                         | 88,800                                                             | 168,200*                             | 50.8                    | 452.1                         | 66,800                                                             | 152,800*                             | 270                          |
| 280                          | 35.5                    | 408.1                         | 102,700                                                            | 168,400*                             | 42.3                    | 429.5                         | 81,400                                                             | 159,400*                             | 48.1                    | 443.4                         | 60,400                                                             | 144,600*                             | 280                          |
| 290                          | 31.7                    | 392.6                         | 94,900                                                             | 156,600*                             | 39.1                    | 417.6                         | 74,600                                                             | 151,200*                             | 45.3                    | 433.7                         | 54,400                                                             | 137,000*                             | 290                          |
| 300                          | 27.4                    | 374.5                         | 87,500                                                             | 145,700*                             | 35.7                    | 404.2                         | 68,100                                                             | 143,500*                             | 42.3                    | 423.0                         | 48,800                                                             | 129,800*                             | 300                          |
| 310                          | 22.5                    | 352.4                         | 80,500                                                             | 135,700*                             | 31.9                    | 388.8                         | 62,000                                                             | 136,200*                             | 39.1                    | 411.1                         | 43,400                                                             | 123,100*                             | 310                          |
| 320                          | 16.0                    | 322.6                         | 73,500                                                             | 126,900*                             | 27.7                    | 370.9                         | 56,200                                                             | 129,300*                             | 35.7                    | 397.7                         | 38,400                                                             | 116,700*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      | 22.8                    | 349.0                         | 50,600                                                             | 122,700*                             | 31.9                    | 382.4                         | 33,600                                                             | 110,600*                             | 330                          |
| 340                          |                         |                               |                                                                    |                                      | 16.5                    | 319.9                         | 45,000                                                             | 116,300*                             | 27.7                    | 364.5                         | 29,000                                                             | 104,900*                             | 340                          |
| 350                          |                         |                               |                                                                    |                                      | 4.4                     | 261.6                         | 38,500                                                             | 109,500*                             | 22.8                    | 342.6                         | 24,500                                                             | 99,300*                              | 350                          |
| 360                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 16.5                    | 313.6                         | 20,000                                                             | 93,900*                              | 360                          |
| 370                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 4.6                     | 256.1                         | 14,600                                                             | 88,000*                              | 370                          |

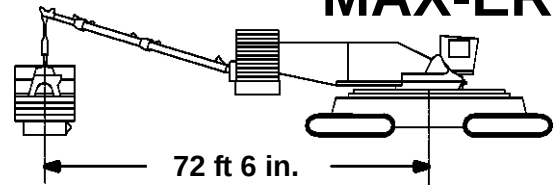
# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



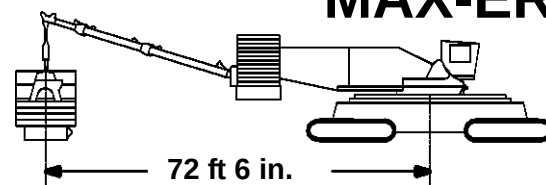
## 240.0 ft Boom, 300.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 175                          | 66.0                    | 521.1                         | 231,500                                                            | 275,300*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 65.0                    | 518.8                         | 221,500                                                            | 275,300*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 63.9                    | 516.3                         | 212,000                                                            | 272,500*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 62.8                    | 513.8                         | 203,100                                                            | 264,900*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 61.7                    | 511.0                         | 194,700                                                            | 257,100*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 60.6                    | 508.2                         | 186,700                                                            | 249,100*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 59.5                    | 505.3                         | 179,100                                                            | 241,400*                             | 64.0                         | 511.9                   | 148,000                       | 240,300*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 58.4                    | 502.2                         | 171,900                                                            | 233,400*                             | 62.9                         | 509.3                   | 141,600                       | 232,800*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 57.3                    | 499.0                         | 165,000                                                            | 225,300*                             | 61.9                         | 506.6                   | 135,500                       | 225,700*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 56.1                    | 495.6                         | 158,400                                                            | 217,600*                             | 60.8                         | 503.8                   | 129,700                       | 218,800*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 55.0                    | 492.1                         | 152,200                                                            | 209,900*                             | 59.7                         | 500.9                   | 124,100                       | 212,300*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 53.8                    | 488.4                         | 146,200                                                            | 202,000*                             | 58.5                         | 497.8                   | 118,800                       | 206,000*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 52.6                    | 484.6                         | 140,500                                                            | 194,700*                             | 57.4                         | 494.6                   | 113,800                       | 200,000*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 235                          |
| 240                          | 51.3                    | 480.6                         | 135,100                                                            | 187,400*                             | 56.2                         | 491.2                   | 108,900                       | 194,300*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 240                          |
| 245                          | 50.1                    | 476.4                         | 129,800                                                            | 180,200*                             | 55.1                         | 487.7                   | 104,300                       | 188,800*                                                           | 59.7                                 | 494.4                        | 79,100                  | 171,300*                      |                                                                    |                                      | 245                          |
| 250                          | 48.8                    | 472.0                         | 124,800                                                            | 173,200*                             | 53.9                         | 484.1                   | 99,800                        | 183,400*                                                           | 58.5                                 | 491.3                        | 75,200                  | 166,300*                      |                                                                    |                                      | 250                          |
| 260                          | 46.2                    | 462.7                         | 115,300                                                            | 159,800*                             | 51.5                         | 476.3                   | 91,400                        | 173,400*                                                           | 56.3                                 | 484.7                        | 67,900                  | 156,900*                      |                                                                    |                                      | 260                          |
| 270                          | 43.5                    | 452.4                         | 106,500                                                            | 147,100*                             | 49.0                         | 467.8                   | 83,600                        | 164,100*                                                           | 53.9                                 | 477.6                        | 61,100                  | 148,300*                      |                                                                    |                                      | 270                          |
| 280                          | 40.6                    | 441.0                         | 98,400                                                             | 135,100*                             | 46.4                         | 458.5                   | 76,400                        | 155,400*                                                           | 51.5                                 | 469.8                        | 54,700                  | 140,200*                      |                                                                    |                                      | 280                          |
| 290                          | 37.5                    | 428.4                         | 90,700                                                             | 123,900*                             | 43.6                         | 448.2                   | 69,600                        | 147,200*                                                           | 49.0                                 | 461.3                        | 48,800                  | 132,600*                      |                                                                    |                                      | 290                          |
| 300                          | 34.2                    | 414.2                         | 83,500                                                             | 113,300*                             | 40.8                         | 436.9                   | 63,300                        | 137,000*                                                           | 46.4                                 | 452.0                        | 43,300                  | 125,500*                      |                                                                    |                                      | 300                          |
| 310                          | 30.6                    | 398.1                         | 76,700                                                             | 103,500*                             | 37.7                         | 424.4                   | 57,400                        | 125,700*                                                           | 43.6                                 | 441.8                        | 38,100                  | 118,900*                      |                                                                    |                                      | 310                          |
| 320                          | 26.5                    | 379.2                         | 70,300                                                             | 94,300*                              | 34.4                         | 410.3                   | 51,700                        | 115,000*                                                           | 40.8                                 | 430.5                        | 33,200                  | 112,600*                      |                                                                    |                                      | 320                          |
| 330                          | 21.7                    | 356.1                         | 64,100                                                             | 85,800*                              | 30.8                         | 394.3                   | 46,400                        | 105,100*                                                           | 37.7                                 | 418.0                        | 28,600                  | 106,600*                      |                                                                    |                                      | 330                          |
| 340                          | 15.5                    | 325.2                         | 57,900                                                             | 78,300*                              | 26.7                         | 375.6                   | 41,200                        | 95,900*                                                            | 34.4                                 | 403.9                        | 24,100                  | 101,000*                      |                                                                    |                                      | 340                          |
| 350                          |                         |                               |                                                                    |                                      | 22.0                         | 352.8                   | 36,200                        | 87,400*                                                            | 30.8                                 | 387.9                        | 19,900                  | 95,600*                       |                                                                    |                                      | 350                          |
| 360                          |                         |                               |                                                                    |                                      | 15.9                         | 322.6                   | 31,200                        | 79,700*                                                            | 26.8                                 | 369.2                        | 15,800                  | 90,500*                       |                                                                    |                                      | 360                          |
| 370                          |                         |                               |                                                                    |                                      | 4.2                          | 262.2                   | 25,400                        | 73,900*                                                            | 22.0                                 | 346.5                        | 11,800                  | 85,500*                       |                                                                    |                                      | 370                          |
| 380                          |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    | 15.9                                 | 316.3                        | 7,700                   | 80,500*                       |                                                                    |                                      | 380                          |
| 390                          |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    | 4.4                                  | 256.8                        | 2,800                   | 74,600*                       |                                                                    |                                      | 390                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



21000  
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## 260.0 ft Boom, 120.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 100                          |                         |                               |                                                                    | c                                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 100                          |
| 105                          |                         |                               |                                                                    | c                                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          | 63.5                    | 374.0                         | 479,500                                                            | 577,200*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 60.8                    | 371.2                         | 453,100                                                            | 550,300*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 57.9                    | 368.0                         | 429,100                                                            | 525,600*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 55.0                    | 364.5                         | 407,000                                                            | 502,800*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 52.0                    | 360.6                         | 386,700                                                            | 481,700*b                            | 64.7                    | 370.0                         | 341,600                                                            | 451,300*b                            |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 48.8                    | 356.2                         | 368,000                                                            | 462,000*                             | 62.0                    | 367.4                         | 324,900                                                            | 432,900*b                            |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 45.5                    | 351.3                         | 350,600                                                            | 443,700*                             | 59.2                    | 364.4                         | 309,500                                                            | 415,800*b                            |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 41.9                    | 345.8                         | 334,400                                                            | 426,500*                             | 56.4                    | 361.0                         | 295,200                                                            | 399,800*b                            |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 38.1                    | 339.5                         | 319,200                                                            | 410,400*                             | 53.4                    | 357.3                         | 281,800                                                            | 384,800*b                            |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 33.8                    | 332.1                         | 304,900                                                            | 395,200*                             | 50.3                    | 353.1                         | 269,300                                                            | 370,800*b                            |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 29.0                    | 323.4                         | 291,300                                                            | 380,800*                             | 47.0                    | 348.5                         | 257,500                                                            | 357,500*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 23.3                    | 312.5                         | 278,200                                                            | 367,000*                             | 43.6                    | 343.2                         | 246,400                                                            | 345,000*                             | 57.4                    | 355.1                         | 212,900                                                            | 321,800*b                            | 165                          |
| 170                          | 15.5                    | 296.9                         | 265,200                                                            | 353,600*                             | 39.8                    | 337.3                         | 235,900                                                            | 333,100*                             | 54.4                    | 351.5                         | 203,800                                                            | 310,800*b                            | 170                          |
| 175                          |                         |                               |                                                                    |                                      | 35.8                    | 330.5                         | 225,900                                                            | 321,800*                             | 51.4                    | 347.5                         | 195,200                                                            | 300,400*b                            | 175                          |
| 180                          |                         |                               |                                                                    |                                      | 31.3                    | 322.5                         | 216,400                                                            | 311,000*                             | 48.2                    | 343.1                         | 187,000                                                            | 290,500*                             | 180                          |
| 185                          |                         |                               |                                                                    |                                      | 26.1                    | 312.7                         | 207,100                                                            | 300,600*                             | 44.8                    | 338.0                         | 179,200                                                            | 281,100*                             | 185                          |
| 190                          |                         |                               |                                                                    |                                      | 19.4                    | 299.8                         | 197,900                                                            | 290,500*                             | 41.2                    | 332.4                         | 171,700                                                            | 272,100*                             | 190                          |
| 195                          |                         |                               |                                                                    |                                      | 8.1                     | 276.6                         | 187,700                                                            | 280,000*                             | 37.3                    | 325.9                         | 164,600                                                            | 263,500*                             | 195                          |
| 200                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 32.9                    | 318.3                         | 157,700                                                            | 255,300*                             | 200                          |
| 205                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 28.0                    | 309.3                         | 150,900                                                            | 247,300*                             | 205                          |
| 210                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 22.0                    | 297.7                         | 144,200                                                            | 239,400*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 13.3                    | 280.3                         | 137,000                                                            | 231,500*                             | 215                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

Do not luff into area indicated by (c)  
with 37,000 lb minimum weight  
(see CAUTION on page 1).

# Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

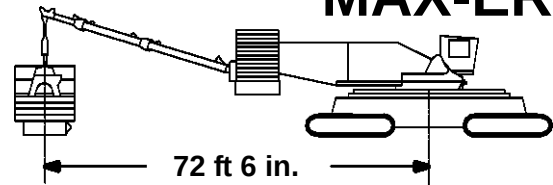
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 260.0 ft Boom, 140.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      |      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      |       | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |      | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |       | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 105                          |                         |                               |                                                                    | <sup>c</sup>                         |      |                         |                               |                                                                    |                                      |       |                         |                               |                                                                    |                                      | 105                          |
| 110                          | 67.6                    | 396.2                         | 475,600                                                            | 573,000* <sup>b</sup>                |      |                         |                               |                                                                    |                                      |       |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 65.3                    | 393.9                         | 449,300                                                            | 546,300* <sup>b</sup>                |      |                         |                               |                                                                    |                                      |       |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 63.0                    | 391.3                         | 425,300                                                            | 521,700* <sup>b</sup>                |      |                         |                               |                                                                    |                                      |       |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 60.6                    | 388.5                         | 403,500                                                            | 499,100* <sup>b</sup>                |      |                         |                               |                                                                    |                                      |       |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 58.2                    | 385.4                         | 383,400                                                            | 478,100* <sup>b</sup>                |      |                         |                               |                                                                    |                                      |       |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 55.8                    | 382.0                         | 364,800                                                            | 458,700*                             |      |                         |                               |                                                                    |                                      |       |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 53.2                    | 378.2                         | 347,700                                                            | 440,500*                             | 64.0 | 387.4                   | 304,400                       | 411,300* <sup>b</sup>                                              |                                      |       |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 50.5                    | 374.1                         | 331,700                                                            | 423,600*                             | 61.7 | 384.7                   | 290,300                       | 395,500* <sup>b</sup>                                              |                                      |       |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 47.8                    | 369.5                         | 316,900                                                            | 407,700*                             | 59.3 | 381.7                   | 277,100                       | 380,600* <sup>b</sup>                                              |                                      |       |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 44.9                    | 364.5                         | 303,000                                                            | 392,800*                             | 56.9 | 378.4                   | 264,800                       | 366,700* <sup>b</sup>                                              |                                      |       |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 41.8                    | 359.0                         | 289,900                                                            | 378,800*                             | 54.4 | 374.8                   | 253,300                       | 353,600*                                                           |                                      |       |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 38.6                    | 352.8                         | 277,600                                                            | 365,500*                             | 51.8 | 370.9                   | 242,500                       | 341,300*                                                           |                                      |       |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 35.0                    | 345.8                         | 266,000                                                            | 352,900*                             | 49.1 | 366.5                   | 232,300                       | 329,700*                                                           |                                      |       |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 31.1                    | 337.7                         | 254,900                                                            | 341,000*                             | 46.2 | 361.7                   | 222,600                       | 318,600*                                                           | 57.7                                 | 372.5 | 189,700                 | 295,900* <sup>b</sup>         |                                                                    |                                      | 175                          |
| 180                          | 26.7                    | 328.1                         | 244,300                                                            | 329,600*                             | 43.2 | 356.4                   | 213,500                       | 308,200*                                                           | 55.3                                 | 369.0 | 181,800                 | 286,200*                      |                                                                    |                                      | 180                          |
| 185                          | 21.4                    | 316.1                         | 234,000                                                            | 318,600*                             | 40.1 | 350.5                   | 204,800                       | 298,200*                                                           | 52.7                                 | 365.2 | 174,300                 | 277,000*                      |                                                                    |                                      | 185                          |
| 190                          | 14.2                    | 299.2                         | 223,600                                                            | 307,800*                             | 36.7 | 343.9                   | 196,500                       | 288,700*                                                           | 50.0                                 | 361.0 | 167,100                 | 268,200*                      |                                                                    |                                      | 190                          |
| 195                          |                         |                               |                                                                    |                                      | 33.0 | 336.4                   | 188,600                       | 279,600*                                                           | 47.2                                 | 356.4 | 160,300                 | 259,800*                      |                                                                    |                                      | 195                          |
| 200                          |                         |                               |                                                                    |                                      | 28.8 | 327.5                   | 180,900                       | 270,900*                                                           | 44.3                                 | 351.3 | 153,800                 | 251,900*                      |                                                                    |                                      | 200                          |
| 205                          |                         |                               |                                                                    |                                      | 24.0 | 316.8                   | 173,400                       | 262,400*                                                           | 41.2                                 | 345.6 | 147,500                 | 244,200*                      |                                                                    |                                      | 205                          |
| 210                          |                         |                               |                                                                    |                                      | 17.9 | 302.8                   | 165,900                       | 254,100*                                                           | 37.9                                 | 339.2 | 141,500                 | 236,900*                      |                                                                    |                                      | 210                          |
| 215                          |                         |                               |                                                                    |                                      | 7.4  | 277.6                   | 157,500                       | 245,400*                                                           | 34.3                                 | 332.0 | 135,700                 | 229,800*                      |                                                                    |                                      | 215                          |
| 220                          |                         |                               |                                                                    |                                      |      |                         |                               |                                                                    | 30.3                                 | 323.7 | 130,100                 | 223,000*                      |                                                                    |                                      | 220                          |
| 225                          |                         |                               |                                                                    |                                      |      |                         |                               |                                                                    | 25.8                                 | 313.7 | 124,500                 | 216,300*                      |                                                                    |                                      | 225                          |
| 230                          |                         |                               |                                                                    |                                      |      |                         |                               |                                                                    | 20.2                                 | 301.1 | 118,900                 | 209,800*                      |                                                                    |                                      | 230                          |
| 235                          |                         |                               |                                                                    |                                      |      |                         |                               |                                                                    | 12.2                                 | 282.3 | 113,000                 | 203,100*                      |                                                                    |                                      | 235                          |

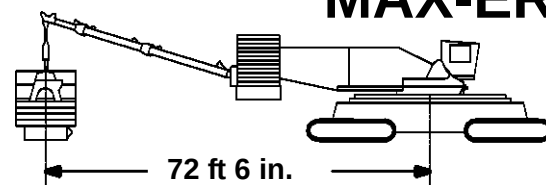
Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

Do not luff into area indicated by (c)  
with 37,000 lb minimum weight  
(see CAUTION on page 1).

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



21000  
MAX-ER

## 260.0 ft Boom, 160.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 115                          | 68.6                    | 415.8                         | 447,800                                                            | 543,100*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 66.6                    | 413.6                         | 423,800                                                            | 518,700*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 64.6                    | 411.3                         | 401,900                                                            | 496,200*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 62.6                    | 408.6                         | 381,800                                                            | 475,300*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 60.6                    | 405.8                         | 363,200                                                            | 456,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 58.5                    | 402.7                         | 346,100                                                            | 437,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 56.3                    | 399.4                         | 330,200                                                            | 421,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 54.1                    | 395.7                         | 315,400                                                            | 405,400*                             | 63.5                    | 404.7                         | 274,200                                                            | 377,400*b                            |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 51.8                    | 391.8                         | 301,700                                                            | 390,600*                             | 61.5                    | 402.0                         | 261,900                                                            | 363,600*b                            |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 49.5                    | 387.5                         | 288,700                                                            | 376,700*                             | 59.4                    | 399.0                         | 250,500                                                            | 350,600*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 47.0                    | 382.9                         | 276,600                                                            | 363,600*                             | 57.3                    | 395.8                         | 239,800                                                            | 338,400*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 44.5                    | 377.8                         | 265,200                                                            | 351,200*                             | 55.1                    | 392.3                         | 229,700                                                            | 326,900*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 41.8                    | 372.2                         | 254,500                                                            | 339,500*                             | 52.9                    | 388.5                         | 220,200                                                            | 316,000*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 38.9                    | 366.1                         | 244,300                                                            | 328,400*                             | 50.5                    | 384.4                         | 211,200                                                            | 305,600*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 35.9                    | 359.3                         | 234,600                                                            | 317,900*                             | 48.1                    | 379.9                         | 202,700                                                            | 295,800*                             | 58.0                    | 389.9                         | 170,700                                                            | 273,700*                             | 185                          |
| 190                          | 32.6                    | 351.6                         | 225,300                                                            | 307,800*                             | 45.6                    | 375.0                         | 194,700                                                            | 286,500*                             | 55.9                    | 386.5                         | 163,700                                                            | 265,100*                             | 190                          |
| 195                          | 29.0                    | 342.8                         | 216,500                                                            | 298,100*                             | 43.0                    | 369.7                         | 187,000                                                            | 277,600*                             | 53.6                    | 382.8                         | 157,000                                                            | 256,800*                             | 195                          |
| 200                          | 24.9                    | 332.4                         | 207,900                                                            | 288,900*                             | 40.3                    | 363.8                         | 179,700                                                            | 269,100*                             | 51.4                    | 378.8                         | 150,700                                                            | 249,000*                             | 200                          |
| 205                          | 19.9                    | 319.5                         | 199,500                                                            | 279,900*                             | 37.3                    | 357.3                         | 172,700                                                            | 261,000*                             | 49.0                    | 374.4                         | 144,600                                                            | 241,500*                             | 205                          |
| 210                          | 13.2                    | 301.4                         | 191,000                                                            | 271,000*                             | 34.2                    | 350.0                         | 165,900                                                            | 253,200*                             | 46.5                    | 369.7                         | 138,800                                                            | 234,300*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      | 30.7                    | 341.8                         | 159,400                                                            | 245,700*                             | 43.9                    | 364.5                         | 133,300                                                            | 227,400*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      | 26.8                    | 332.2                         | 153,100                                                            | 238,500*                             | 41.2                    | 358.8                         | 128,000                                                            | 220,800*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      | 22.3                    | 320.7                         | 146,900                                                            | 231,500*                             | 38.4                    | 352.6                         | 122,800                                                            | 214,500*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      | 16.6                    | 305.5                         | 140,600                                                            | 224,500*                             | 35.3                    | 345.6                         | 117,800                                                            | 208,400*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      | 6.8                     | 278.6                         | 133,600                                                            | 217,200*                             | 31.9                    | 337.7                         | 113,000                                                            | 202,500*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 28.2                    | 328.7                         | 108,300                                                            | 196,700*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 24.0                    | 317.9                         | 103,600                                                            | 191,100*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 18.8                    | 304.3                         | 98,900                                                             | 185,600*                             | 250                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

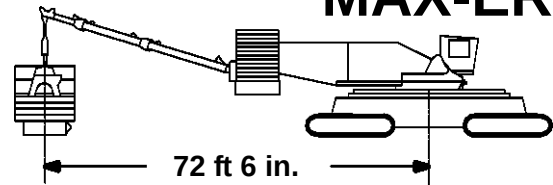
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 260.0 ft Boom, 180.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 120                          | 69.4                    | 435.4                         | 419,000                                                            | 514,100*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 67.6                    | 433.3                         | 397,200                                                            | 491,700*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 65.9                    | 431.1                         | 377,100                                                            | 470,900*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 64.1                    | 428.6                         | 358,600                                                            | 451,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 62.3                    | 426.0                         | 341,600                                                            | 433,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 60.5                    | 423.1                         | 325,800                                                            | 417,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 58.6                    | 420.1                         | 311,100                                                            | 401,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 56.7                    | 416.8                         | 297,400                                                            | 386,700*                             | 64.9                    | 424.6                         | 256,200                                                            | 358,800*                             |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 54.8                    | 413.2                         | 284,600                                                            | 372,900*                             | 63.2                    | 422.0                         | 244,900                                                            | 345,900*                             |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 52.8                    | 409.4                         | 272,600                                                            | 359,900*                             | 61.3                    | 419.3                         | 234,300                                                            | 333,800*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 50.7                    | 405.3                         | 261,300                                                            | 347,600*                             | 59.5                    | 416.3                         | 224,300                                                            | 322,300*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 48.6                    | 400.9                         | 250,700                                                            | 336,100*                             | 57.6                    | 413.1                         | 215,000                                                            | 311,500*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 46.4                    | 396.2                         | 240,700                                                            | 325,100*                             | 55.7                    | 409.7                         | 206,100                                                            | 301,300*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 44.1                    | 391.0                         | 231,200                                                            | 314,700*                             | 53.7                    | 406.0                         | 197,800                                                            | 291,600*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 41.7                    | 385.4                         | 222,200                                                            | 304,800*                             | 51.7                    | 402.1                         | 189,800                                                            | 282,400*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 39.2                    | 379.4                         | 213,600                                                            | 295,300*                             | 49.6                    | 397.8                         | 182,300                                                            | 273,600*                             | 58.3                    | 407.2                         | 151,100                                                            | 252,000*                             | 195                          |
| 200                          | 36.6                    | 372.7                         | 205,400                                                            | 286,300*                             | 47.4                    | 393.2                         | 175,200                                                            | 265,300*                             | 56.3                    | 403.9                         | 144,900                                                            | 244,200*                             | 200                          |
| 205                          | 33.7                    | 365.3                         | 197,600                                                            | 277,700*                             | 45.2                    | 388.3                         | 168,300                                                            | 257,300*                             | 54.4                    | 400.3                         | 138,900                                                            | 236,900*                             | 205                          |
| 210                          | 30.7                    | 357.0                         | 190,100                                                            | 269,400*                             | 42.8                    | 382.9                         | 161,800                                                            | 249,700*                             | 52.4                    | 396.4                         | 133,300                                                            | 229,800*                             | 210                          |
| 215                          | 27.3                    | 347.6                         | 182,900                                                            | 261,500*                             | 40.4                    | 377.0                         | 155,600                                                            | 242,400*                             | 50.3                    | 392.3                         | 127,900                                                            | 223,000*                             | 215                          |
| 220                          | 23.4                    | 336.5                         | 175,800                                                            | 253,800*                             | 37.8                    | 370.6                         | 149,600                                                            | 235,400*                             | 48.2                    | 387.8                         | 122,700                                                            | 216,600*                             | 220                          |
| 225                          | 18.7                    | 322.7                         | 168,900                                                            | 246,300*                             | 35.1                    | 363.6                         | 143,800                                                            | 228,600*                             | 46.0                    | 383.0                         | 117,800                                                            | 210,400*                             | 225                          |
| 230                          | 12.4                    | 303.4                         | 161,800                                                            | 238,800*                             | 32.1                    | 355.8                         | 138,300                                                            | 222,100*                             | 43.7                    | 377.7                         | 113,000                                                            | 204,400*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      | 28.8                    | 346.9                         | 132,900                                                            | 215,900*                             | 41.2                    | 372.1                         | 108,400                                                            | 198,700*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      | 25.2                    | 336.6                         | 127,600                                                            | 209,800*                             | 38.7                    | 365.9                         | 104,000                                                            | 193,100*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      | 21.0                    | 324.3                         | 122,400                                                            | 203,800*                             | 36.0                    | 359.1                         | 99,700                                                             | 187,800*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      | 15.6                    | 308.1                         | 117,100                                                            | 197,900*                             | 33.1                    | 351.5                         | 95,500                                                             | 182,600*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 26.5                    | 333.3                         | 87,500                                                             | 172,700*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 17.7                    | 307.3                         | 79,500                                                             | 163,200*                             | 270                          |

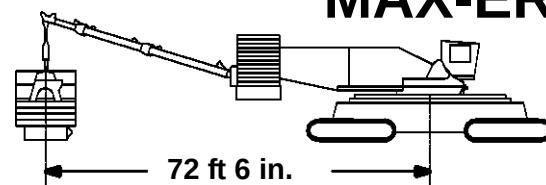
Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 260.0 ft Boom, 200.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 125                          | 70.0                    | 454.9                         | 393,600                                                            | 480,600* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 68.5                    | 452.9                         | 373,600                                                            | 467,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 66.9                    | 450.8                         | 355,100                                                            | 448,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 65.3                    | 448.4                         | 338,100                                                            | 430,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 63.7                    | 446.0                         | 322,400                                                            | 413,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 62.1                    | 443.3                         | 307,700                                                            | 398,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 60.4                    | 440.4                         | 294,100                                                            | 383,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 58.8                    | 437.4                         | 281,300                                                            | 369,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 57.1                    | 434.1                         | 269,400                                                            | 356,900*                             | 64.4                    | 442.0                         | 230,100                                                            | 330,200*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 55.3                    | 430.7                         | 258,200                                                            | 344,700*                             | 62.8                    | 439.4                         | 220,200                                                            | 318,800*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 53.5                    | 427.0                         | 247,600                                                            | 333,200*                             | 61.2                    | 436.6                         | 210,900                                                            | 308,100*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 51.7                    | 423.0                         | 237,700                                                            | 322,300*                             | 59.5                    | 433.7                         | 202,100                                                            | 297,900*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 49.8                    | 418.8                         | 228,300                                                            | 312,000*                             | 57.8                    | 430.5                         | 193,900                                                            | 288,300*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 47.9                    | 414.3                         | 219,400                                                            | 302,200*                             | 56.1                    | 427.1                         | 186,000                                                            | 279,100*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 45.9                    | 409.5                         | 211,000                                                            | 292,800*                             | 54.4                    | 423.5                         | 178,600                                                            | 270,400*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 43.9                    | 404.3                         | 202,900                                                            | 283,900*                             | 52.5                    | 419.7                         | 171,500                                                            | 262,200*                             | 58.4                    | 424.6                         | 134,500                                                            | 233,300*                             | 200                          |
| 205                          | 41.7                    | 398.7                         | 195,300                                                            | 275,400*                             | 50.7                    | 415.6                         | 164,800                                                            | 254,300*                             | 56.7                    | 421.3                         | 129,000                                                            | 226,300*                             | 205                          |
| 210                          | 39.5                    | 392.6                         | 188,000                                                            | 267,300*                             | 48.8                    | 411.2                         | 158,400                                                            | 246,700*                             | 55.0                    | 417.8                         | 123,700                                                            | 219,600*                             | 210                          |
| 215                          | 37.1                    | 386.1                         | 181,000                                                            | 259,600*                             | 46.8                    | 406.5                         | 152,300                                                            | 239,500*                             | 53.2                    | 414.0                         | 118,600                                                            | 213,200*                             | 215                          |
| 220                          | 34.6                    | 378.9                         | 174,300                                                            | 252,100*                             | 44.8                    | 401.5                         | 146,400                                                            | 232,600*                             | 51.3                    | 410.0                         | 113,700                                                            | 207,100*                             | 220                          |
| 225                          | 31.9                    | 371.0                         | 167,900                                                            | 244,900*                             | 42.7                    | 396.1                         | 140,800                                                            | 226,000*                             | 49.5                    | 405.7                         | 109,100                                                            | 201,200*                             | 225                          |
| 230                          | 29.0                    | 362.1                         | 161,700                                                            | 238,000*                             | 40.5                    | 390.3                         | 135,500                                                            | 219,700*                             | 47.5                    | 401.1                         | 104,600                                                            | 195,500*                             | 230                          |
| 235                          | 25.8                    | 352.1                         | 155,600                                                            | 231,400*                             | 38.2                    | 384.0                         | 130,300                                                            | 213,500*                             | 45.5                    | 396.2                         | 100,300                                                            | 190,100*                             | 235                          |
| 240                          | 22.1                    | 340.3                         | 149,700                                                            | 224,900*                             | 35.7                    | 377.1                         | 125,300                                                            | 207,700*                             | 43.4                    | 391.0                         | 96,200                                                             | 184,900*                             | 240                          |
| 245                          | 17.7                    | 325.8                         | 143,900                                                            | 218,600*                             | 33.2                    | 369.5                         | 120,500                                                            | 202,000*                             | 41.3                    | 385.3                         | 92,200                                                             | 179,800*                             | 245                          |
| 250                          | 11.7                    | 305.3                         | 137,900                                                            | 212,200*                             | 30.4                    | 361.1                         | 115,800                                                            | 196,500*                             | 36.6                    | 372.5                         | 84,600                                                             | 170,300*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      | 23.9                    | 340.8                         | 106,700                                                            | 185,900*                             | 31.4                    | 357.1                         | 77,400                                                             | 161,300*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      | 14.7                    | 310.6                         | 97,700                                                             | 175,800*                             | 25.1                    | 337.7                         | 70,500                                                             | 152,800*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 16.7                    | 310.1                         | 63,600                                                             | 144,500*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 290                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

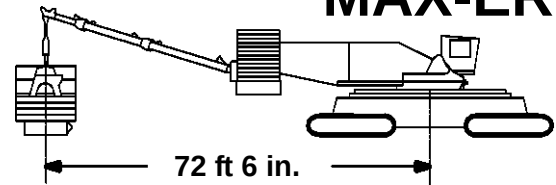
# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



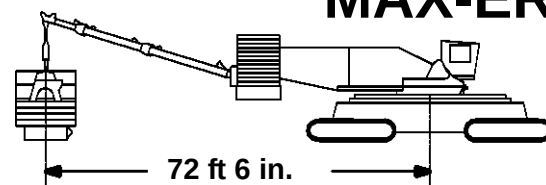
## 260.0 ft Boom, 220.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 135                          | 69.1                    | 472.5                         | 350,100                                                            | 426,100*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 67.7                    | 470.4                         | 333,100                                                            | 425,900*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 66.3                    | 468.2                         | 317,400                                                            | 409,300*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 64.8                    | 465.8                         | 302,800                                                            | 393,800*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 63.4                    | 463.3                         | 289,200                                                            | 379,200*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 61.9                    | 460.6                         | 276,500                                                            | 365,600*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 60.4                    | 457.8                         | 264,600                                                            | 352,700*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 58.9                    | 454.7                         | 253,400                                                            | 340,600*                             |                              |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 57.3                    | 451.5                         | 242,900                                                            | 329,100*                             | 64.0                         | 459.3                   | 205,100                       | 303,300*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 55.8                    | 448.1                         | 233,100                                                            | 318,300*                             | 62.6                         | 456.7                   | 196,400                       | 293,200*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 54.2                    | 444.5                         | 223,700                                                            | 308,000*                             | 61.1                         | 453.9                   | 188,200                       | 283,600*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 52.5                    | 440.6                         | 214,900                                                            | 298,300*                             | 59.6                         | 451.0                   | 180,400                       | 274,500*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 50.8                    | 436.6                         | 206,500                                                            | 289,000*                             | 58.0                         | 447.9                   | 173,100                       | 265,900*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 49.1                    | 432.2                         | 198,600                                                            | 280,200*                             | 56.5                         | 444.5                   | 166,100                       | 257,700*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 47.3                    | 427.6                         | 191,000                                                            | 271,800*                             | 54.9                         | 441.0                   | 159,500                       | 249,900*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 45.5                    | 422.7                         | 183,800                                                            | 263,700*                             | 53.3                         | 437.3                   | 153,100                       | 242,400*                                                           |                                      |                              |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 43.6                    | 417.5                         | 177,000                                                            | 256,000*                             | 51.6                         | 433.3                   | 147,100                       | 235,300*                                                           | 58.6                                 | 441.9                        | 117,500                 | 214,700*                      |                                                                    |                                      | 215                          |
| 220                          | 41.7                    | 411.9                         | 170,400                                                            | 248,700*                             | 49.9                         | 429.1                   | 141,400                       | 228,400*                                                           | 57.0                                 | 438.6                        | 112,600                 | 208,400*                      |                                                                    |                                      | 220                          |
| 225                          | 39.6                    | 405.9                         | 164,100                                                            | 241,600*                             | 48.1                         | 424.6                   | 135,800                       | 221,900*                                                           | 55.4                                 | 435.2                        | 107,800                 | 202,300*                      |                                                                    |                                      | 225                          |
| 230                          | 37.5                    | 399.4                         | 158,100                                                            | 234,900*                             | 46.3                         | 419.8                   | 130,600                       | 215,600*                                                           | 53.8                                 | 431.5                        | 103,200                 | 196,500*                      |                                                                    |                                      | 230                          |
| 235                          | 35.3                    | 392.4                         | 152,300                                                            | 228,400*                             | 44.5                         | 414.8                   | 125,500                       | 209,600*                                                           | 52.2                                 | 427.6                        | 98,900                  | 190,900*                      |                                                                    |                                      | 235                          |
| 240                          | 32.9                    | 384.8                         | 146,700                                                            | 222,100*                             | 42.6                         | 409.3                   | 120,700                       | 203,800*                                                           | 50.5                                 | 423.5                        | 94,700                  | 185,600*                      |                                                                    |                                      | 240                          |
| 245                          | 30.3                    | 376.4                         | 141,300                                                            | 216,000*                             | 40.6                         | 403.5                   | 116,000                       | 198,200*                                                           | 48.8                                 | 419.1                        | 90,600                  | 180,400*                      |                                                                    |                                      | 245                          |
| 250                          | 27.6                    | 367.0                         | 136,100                                                            | 210,200*                             | 38.5                         | 397.3                   | 111,500                       | 192,900*                                                           | 47.0                                 | 414.5                        | 86,700                  | 175,500*                      |                                                                    |                                      | 250                          |
| 260                          | 21.0                    | 344.0                         | 125,900                                                            | 199,000*                             | 34.0                         | 383.2                   | 102,900                       | 182,700*                                                           | 43.2                                 | 404.2                        | 79,400                  | 166,100*                      |                                                                    |                                      | 260                          |
| 270                          | 11.1                    | 307.1                         | 115,700                                                            | 188,000*                             | 28.9                         | 366.3                   | 94,800                        | 173,100*                                                           | 39.2                                 | 392.4                        | 72,500                  | 157,300*                      |                                                                    |                                      | 270                          |
| 280                          |                         |                               |                                                                    |                                      | 22.7                         | 344.7                   | 87,000                        | 164,000*                                                           | 34.8                                 | 378.8                        | 66,000                  | 149,100*                      |                                                                    |                                      | 280                          |
| 290                          |                         |                               |                                                                    |                                      | 14.0                         | 313.0                   | 79,200                        | 155,200*                                                           | 29.8                                 | 362.4                        | 59,900                  | 141,300*                      |                                                                    |                                      | 290                          |
| 300                          |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    | 23.9                                 | 341.9                        | 53,900                  | 133,900*                      |                                                                    |                                      | 300                          |
| 310                          |                         |                               |                                                                    |                                      |                              |                         |                               |                                                                    | 15.9                                 | 312.8                        | 47,800                  | 126,600*                      |                                                                    |                                      | 310                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 260.0 ft Boom, 240.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 145                          | 68.4                    | 490.0                         | 314,600                                                            | 374,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 67.1                    | 487.9                         | 299,900                                                            | 374,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 65.8                    | 485.6                         | 286,200                                                            | 374,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 64.4                    | 483.2                         | 273,400                                                            | 361,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 63.1                    | 480.6                         | 261,400                                                            | 349,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 61.7                    | 477.9                         | 250,200                                                            | 336,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 60.4                    | 475.1                         | 239,700                                                            | 325,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 59.0                    | 472.1                         | 229,700                                                            | 314,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 57.6                    | 468.9                         | 220,400                                                            | 304,400*                             | 63.7                    | 476.7                         | 184,100                                                            | 279,600*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 56.1                    | 465.5                         | 211,500                                                            | 294,700*                             | 62.4                    | 474.0                         | 176,300                                                            | 270,600*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 54.7                    | 462.0                         | 203,100                                                            | 285,500*                             | 61.0                    | 471.2                         | 168,900                                                            | 262,000*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 53.2                    | 458.2                         | 195,200                                                            | 276,700*                             | 59.6                    | 468.3                         | 161,900                                                            | 253,800*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 51.6                    | 454.2                         | 187,600                                                            | 268,300*                             | 58.2                    | 465.2                         | 155,300                                                            | 246,000*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 50.1                    | 450.1                         | 180,500                                                            | 260,300*                             | 56.8                    | 461.9                         | 149,000                                                            | 238,600*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 48.5                    | 445.6                         | 173,600                                                            | 252,700*                             | 55.3                    | 458.5                         | 143,000                                                            | 231,500*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 46.9                    | 441.0                         | 167,100                                                            | 245,400*                             | 53.8                    | 454.8                         | 137,200                                                            | 224,700*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 45.2                    | 436.0                         | 160,800                                                            | 238,400*                             | 52.3                    | 450.9                         | 131,700                                                            | 218,200*                             | 58.7                    | 459.2                         | 103,000                                                            | 198,300*                             | 225                          |
| 230                          | 43.4                    | 430.7                         | 154,800                                                            | 231,700*                             | 50.8                    | 446.8                         | 126,500                                                            | 212,000*                             | 57.3                    | 456.0                         | 98,500                                                             | 192,500*                             | 230                          |
| 235                          | 41.7                    | 425.1                         | 149,100                                                            | 225,300*                             | 49.2                    | 442.5                         | 121,500                                                            | 206,000*                             | 55.8                    | 452.6                         | 94,200                                                             | 187,000*                             | 235                          |
| 240                          | 39.8                    | 419.1                         | 143,600                                                            | 219,100*                             | 47.6                    | 438.0                         | 116,700                                                            | 200,300*                             | 54.4                    | 449.0                         | 90,000                                                             | 181,700*                             | 240                          |
| 245                          | 37.9                    | 412.8                         | 138,300                                                            | 213,100*                             | 45.9                    | 433.1                         | 112,000                                                            | 194,800*                             | 52.9                    | 445.2                         | 86,000                                                             | 176,500*                             | 245                          |
| 250                          | 35.8                    | 405.9                         | 133,200                                                            | 207,400*                             | 44.2                    | 428.0                         | 107,600                                                            | 189,400*                             | 51.3                    | 441.2                         | 82,200                                                             | 171,600*                             | 250                          |
| 260                          | 31.4                    | 390.4                         | 123,500                                                            | 196,500*                             | 40.6                    | 416.8                         | 99,200                                                             | 179,400*                             | 48.2                    | 432.5                         | 74,900                                                             | 162,300*                             | 260                          |
| 270                          | 26.4                    | 371.6                         | 114,400                                                            | 186,300*                             | 36.8                    | 403.9                         | 91,300                                                             | 170,000*                             | 44.8                    | 422.8                         | 68,100                                                             | 153,700*                             | 270                          |
| 280                          | 20.1                    | 347.4                         | 105,600                                                            | 176,600*                             | 32.5                    | 389.0                         | 83,900                                                             | 161,200*                             | 41.3                    | 411.8                         | 61,800                                                             | 145,600*                             | 280                          |
| 290                          | 10.6                    | 308.9                         | 96,700                                                             | 167,100*                             | 27.6                    | 371.1                         | 76,900                                                             | 152,900*                             | 37.5                    | 399.2                         | 55,900                                                             | 138,000*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      | 21.7                    | 348.5                         | 70,100                                                             | 145,000*                             | 33.3                    | 384.7                         | 50,200                                                             | 130,800*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      | 13.4                    | 315.2                         | 63,300                                                             | 137,200*                             | 28.5                    | 367.4                         | 44,800                                                             | 124,000*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 22.8                    | 345.8                         | 39,600                                                             | 117,500*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 15.1                    | 315.4                         | 34,200                                                             | 111,100*                             | 330                          |

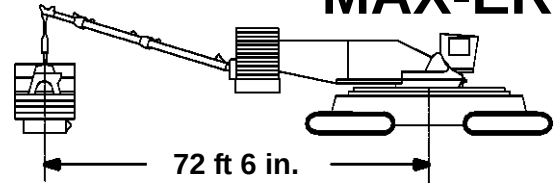
# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



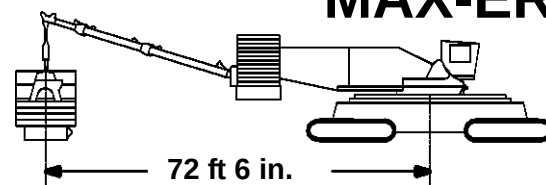
## 260.0 ft Boom, 260.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 155                          | 67.7                    | 507.5                         | 281,100                                                            | 332,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 66.5                    | 505.3                         | 268,300                                                            | 332,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 65.3                    | 503.0                         | 256,400                                                            | 332,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 64.1                    | 500.5                         | 245,200                                                            | 332,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 62.9                    | 498.0                         | 234,700                                                            | 321,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 61.6                    | 495.3                         | 224,800                                                            | 310,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 60.3                    | 492.4                         | 215,400                                                            | 300,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 59.1                    | 489.4                         | 206,600                                                            | 290,600*                             | 64.7                    | 496.5                         | 170,500                                                            | 265,900*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 57.8                    | 486.2                         | 198,300                                                            | 281,400*                             | 63.4                    | 494.0                         | 163,100                                                            | 257,300*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 56.4                    | 482.9                         | 190,400                                                            | 272,700*                             | 62.2                    | 491.4                         | 156,200                                                            | 249,200*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 55.1                    | 479.4                         | 182,900                                                            | 264,300*                             | 60.9                    | 488.6                         | 149,600                                                            | 241,400*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 53.7                    | 475.7                         | 175,700                                                            | 256,400*                             | 59.6                    | 485.6                         | 143,400                                                            | 234,100*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 52.3                    | 471.9                         | 168,900                                                            | 248,800*                             | 58.3                    | 482.5                         | 137,400                                                            | 227,000*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 50.9                    | 467.8                         | 162,400                                                            | 241,500*                             | 57.0                    | 479.3                         | 131,700                                                            | 220,300*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 49.5                    | 463.5                         | 156,200                                                            | 234,600*                             | 55.7                    | 475.9                         | 126,300                                                            | 213,800*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 48.0                    | 459.0                         | 150,300                                                            | 227,900*                             | 54.3                    | 472.3                         | 121,100                                                            | 207,600*                             |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 46.5                    | 454.3                         | 144,700                                                            | 221,500*                             | 53.0                    | 468.5                         | 116,100                                                            | 201,700*                             | 58.8                    | 476.6                         | 88,000                                                             | 182,200*                             | 235                          |
| 240                          | 44.9                    | 449.2                         | 139,200                                                            | 215,400*                             | 51.6                    | 464.5                         | 111,400                                                            | 196,000*                             | 57.5                    | 473.4                         | 83,900                                                             | 176,900*                             | 240                          |
| 245                          | 43.3                    | 444.0                         | 134,000                                                            | 209,500*                             | 50.1                    | 460.3                         | 106,800                                                            | 190,500*                             | 56.2                    | 470.0                         | 80,000                                                             | 171,800*                             | 245                          |
| 250                          | 41.6                    | 438.4                         | 129,000                                                            | 203,800*                             | 48.7                    | 455.9                         | 102,400                                                            | 185,300*                             | 54.8                    | 466.5                         | 76,200                                                             | 167,000*                             | 250                          |
| 260                          | 38.1                    | 426.1                         | 119,500                                                            | 193,100*                             | 45.6                    | 446.4                         | 94,200                                                             | 175,300*                             | 52.0                    | 458.9                         | 69,100                                                             | 157,800*                             | 260                          |
| 270                          | 34.3                    | 412.1                         | 110,600                                                            | 183,100*                             | 42.4                    | 435.8                         | 86,500                                                             | 166,100*                             | 49.2                    | 450.4                         | 62,500                                                             | 149,200*                             | 270                          |
| 280                          | 30.1                    | 395.7                         | 102,300                                                            | 173,700*                             | 39.0                    | 423.9                         | 79,300                                                             | 157,400*                             | 46.1                    | 441.1                         | 56,300                                                             | 141,200*                             | 280                          |
| 290                          | 25.3                    | 376.1                         | 94,400                                                             | 164,800*                             | 35.2                    | 410.3                         | 72,500                                                             | 149,300*                             | 43.0                    | 430.7                         | 50,500                                                             | 133,800*                             | 290                          |
| 300                          | 19.3                    | 350.7                         | 86,800                                                             | 156,400*                             | 31.1                    | 394.5                         | 66,100                                                             | 141,700*                             | 39.6                    | 419.0                         | 45,100                                                             | 126,800*                             | 300                          |
| 310                          | 10.1                    | 310.5                         | 79,000                                                             | 148,000*                             | 26.4                    | 375.8                         | 60,000                                                             | 134,400*                             | 35.9                    | 405.7                         | 39,900                                                             | 120,100*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      | 20.8                    | 352.1                         | 54,100                                                             | 127,400*                             | 31.9                    | 390.4                         | 35,000                                                             | 113,900*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      | 12.8                    | 317.4                         | 48,000                                                             | 120,600*                             | 27.3                    | 372.2                         | 30,300                                                             | 107,900*                             | 330                          |
| 340                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 21.9                    | 349.6                         | 25,700                                                             | 102,100*                             | 340                          |
| 350                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 14.5                    | 317.9                         | 20,900                                                             | 96,400*                              | 350                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 260.0 ft Boom, 280.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 170                          | 66.1                    | 522.7                         | 241,100                                                            | 292,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 65.0                    | 520.4                         | 230,600                                                            | 292,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 63.8                    | 517.9                         | 220,700                                                            | 292,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 62.7                    | 515.3                         | 211,400                                                            | 292,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 61.5                    | 512.6                         | 202,600                                                            | 287,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 60.3                    | 509.7                         | 194,300                                                            | 278,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 59.1                    | 506.7                         | 186,400                                                            | 269,300*                             | 64.3                    | 513.9                         | 151,600                                                            | 245,500*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 57.9                    | 503.6                         | 178,900                                                            | 261,000*                             | 63.2                    | 511.4                         | 145,100                                                            | 237,800*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 56.7                    | 500.3                         | 171,800                                                            | 253,100*                             | 62.0                    | 508.7                         | 138,900                                                            | 230,400*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 55.5                    | 496.8                         | 165,100                                                            | 245,600*                             | 60.9                    | 505.9                         | 132,900                                                            | 223,400*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 54.2                    | 493.2                         | 158,600                                                            | 238,300*                             | 59.7                    | 503.0                         | 127,300                                                            | 216,700*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 52.9                    | 489.4                         | 152,400                                                            | 231,400*                             | 58.5                    | 499.9                         | 121,900                                                            | 210,300*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 51.6                    | 485.5                         | 146,500                                                            | 224,800*                             | 57.3                    | 496.6                         | 116,800                                                            | 204,100*                             |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 50.3                    | 481.3                         | 140,900                                                            | 218,400*                             | 56.0                    | 493.3                         | 111,800                                                            | 198,200*                             |                         |                               |                                                                    |                                      | 235                          |
| 240                          | 48.9                    | 477.0                         | 135,500                                                            | 212,300*                             | 54.8                    | 489.7                         | 107,100                                                            | 192,600*                             |                         |                               |                                                                    |                                      | 240                          |
| 245                          | 47.5                    | 472.4                         | 130,300                                                            | 206,500*                             | 53.5                    | 486.0                         | 102,600                                                            | 187,100*                             | 58.9                    | 493.9                         | 75,200                                                             | 168,100*                             | 245                          |
| 250                          | 46.1                    | 467.6                         | 125,400                                                            | 200,800*                             | 52.2                    | 482.1                         | 98,200                                                             | 181,900*                             | 57.7                    | 490.7                         | 71,500                                                             | 163,200*                             | 250                          |
| 260                          | 43.2                    | 457.2                         | 116,000                                                            | 190,200*                             | 49.5                    | 473.8                         | 90,000                                                             | 172,000*                             | 55.2                    | 483.9                         | 64,500                                                             | 154,100*                             | 260                          |
| 270                          | 40.0                    | 445.6                         | 107,300                                                            | 180,300*                             | 46.8                    | 464.6                         | 82,500                                                             | 162,800*                             | 52.6                    | 476.5                         | 57,900                                                             | 145,600*                             | 270                          |
| 280                          | 36.7                    | 432.7                         | 99,100                                                             | 171,000*                             | 43.8                    | 454.5                         | 75,400                                                             | 154,300*                             | 50.0                    | 468.2                         | 51,900                                                             | 137,700*                             | 280                          |
| 290                          | 33.0                    | 418.0                         | 91,500                                                             | 160,600*                             | 40.8                    | 443.2                         | 68,800                                                             | 146,300*                             | 47.2                    | 459.2                         | 46,200                                                             | 130,300*                             | 290                          |
| 300                          | 29.0                    | 400.9                         | 84,300                                                             | 149,500*                             | 37.5                    | 430.6                         | 62,500                                                             | 138,700*                             | 44.4                    | 449.3                         | 40,900                                                             | 123,400*                             | 300                          |
| 310                          | 24.3                    | 380.4                         | 77,400                                                             | 139,200*                             | 33.9                    | 416.4                         | 56,700                                                             | 131,600*                             | 41.3                    | 438.2                         | 35,900                                                             | 116,900*                             | 310                          |
| 320                          | 18.5                    | 353.9                         | 70,700                                                             | 129,900*                             | 30.0                    | 399.9                         | 51,100                                                             | 124,900*                             | 38.1                    | 425.9                         | 31,100                                                             | 110,700*                             | 320                          |
| 330                          | 9.7                     | 312.1                         | 63,800                                                             | 122,100*                             | 25.4                    | 380.3                         | 45,700                                                             | 118,500*                             | 34.5                    | 411.9                         | 26,600                                                             | 104,900*                             | 330                          |
| 340                          |                         |                               |                                                                    |                                      | 20.0                    | 355.5                         | 40,400                                                             | 112,300*                             | 30.7                    | 395.9                         | 22,300                                                             | 99,400*                              | 340                          |
| 350                          |                         |                               |                                                                    |                                      | 12.3                    | 319.4                         | 35,000                                                             | 106,200*                             | 26.3                    | 376.9                         | 18,100                                                             | 94,000*                              | 350                          |
| 360                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 21.0                    | 353.3                         | 14,000                                                             | 88,900*                              | 360                          |
| 370                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 14.0                    | 320.2                         | 9,700                                                              | 83,800*                              | 370                          |

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

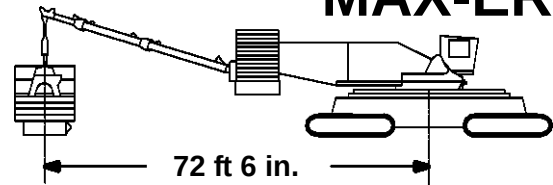
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



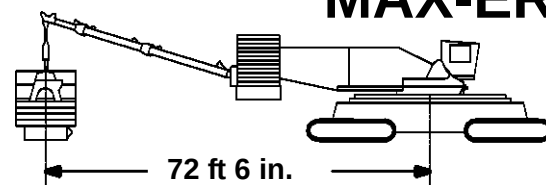
## 260.0 ft Boom, 300.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 180                          | 65.7                    | 540.1                         | 215,600                                                            | 256,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 64.6                    | 537.8                         | 206,300                                                            | 256,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 63.6                    | 535.2                         | 197,500                                                            | 256,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 62.5                    | 532.6                         | 189,200                                                            | 256,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 61.4                    | 529.9                         | 181,400                                                            | 250,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 60.3                    | 527.0                         | 173,900                                                            | 243,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 59.2                    | 524.0                         | 166,800                                                            | 236,000*                             | 64.1                    | 531.3                         | 133,100                                                            | 225,800*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 58.1                    | 520.9                         | 160,100                                                            | 228,700*                             | 63.0                    | 528.7                         | 127,200                                                            | 218,800*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 56.9                    | 517.7                         | 153,700                                                            | 221,100*                             | 61.9                    | 526.0                         | 121,600                                                            | 212,100*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 55.8                    | 514.2                         | 147,500                                                            | 213,600*                             | 60.8                    | 523.2                         | 116,200                                                            | 205,700*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 54.6                    | 510.7                         | 141,700                                                            | 206,000*                             | 59.7                    | 520.3                         | 111,100                                                            | 199,600*                             |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 53.4                    | 507.0                         | 136,100                                                            | 198,800*                             | 58.6                    | 517.2                         | 106,200                                                            | 193,700*                             |                         |                               |                                                                    |                                      | 235                          |
| 240                          | 52.2                    | 503.1                         | 130,700                                                            | 191,600*                             | 57.4                    | 514.0                         | 101,500                                                            | 188,100*                             |                         |                               |                                                                    |                                      | 240                          |
| 245                          | 51.0                    | 499.0                         | 125,600                                                            | 184,300*                             | 56.3                    | 510.7                         | 97,100                                                             | 182,700*                             |                         |                               |                                                                    |                                      | 245                          |
| 250                          | 49.7                    | 494.8                         | 120,600                                                            | 177,500*                             | 55.1                    | 507.2                         | 92,800                                                             | 177,500*                             |                         |                               |                                                                    |                                      | 250                          |
| 260                          | 47.1                    | 485.7                         | 111,300                                                            | 164,100*                             | 52.7                    | 499.7                         | 84,700                                                             | 167,700*                             | 57.8                    | 508.1                         | 58,400                                                             | 149,400*                             | 260                          |
| 270                          | 44.4                    | 475.8                         | 102,700                                                            | 151,300*                             | 50.3                    | 491.6                         | 77,200                                                             | 158,600*                             | 55.5                    | 501.3                         | 52,000                                                             | 141,000*                             | 270                          |
| 280                          | 41.6                    | 464.8                         | 94,700                                                             | 139,200*                             | 47.7                    | 482.7                         | 70,200                                                             | 150,100*                             | 53.2                    | 494.0                         | 46,000                                                             | 133,200*                             | 280                          |
| 290                          | 38.6                    | 452.7                         | 87,200                                                             | 127,700*                             | 45.1                    | 473.0                         | 63,700                                                             | 142,200*                             | 50.7                    | 486.0                         | 40,400                                                             | 125,800*                             | 290                          |
| 300                          | 35.4                    | 439.1                         | 80,100                                                             | 117,000*                             | 42.3                    | 462.2                         | 57,600                                                             | 134,800*                             | 48.2                    | 477.2                         | 35,200                                                             | 119,000*                             | 300                          |
| 310                          | 31.9                    | 423.7                         | 73,500                                                             | 107,000*                             | 39.3                    | 450.4                         | 51,800                                                             | 127,800*                             | 45.5                    | 467.6                         | 30,300                                                             | 112,600*                             | 310                          |
| 320                          | 28.0                    | 405.8                         | 67,200                                                             | 97,600*                              | 36.1                    | 437.1                         | 46,400                                                             | 120,500*                             | 42.8                    | 457.1                         | 25,700                                                             | 106,500*                             | 320                          |
| 330                          | 23.5                    | 384.5                         | 61,100                                                             | 88,900*                              | 32.7                    | 422.2                         | 41,200                                                             | 110,200*                             | 39.8                    | 445.5                         | 21,300                                                             | 100,800*                             | 330                          |
| 340                          | 17.9                    | 357.0                         | 55,200                                                             | 80,900*                              | 28.9                    | 405.0                         | 36,300                                                             | 100,700*                             | 36.7                    | 432.5                         | 17,200                                                             | 95,300*                              | 340                          |
| 350                          | 9.4                     | 313.7                         | 49,000                                                             | 74,500*                              | 24.5                    | 384.6                         | 31,500                                                             | 91,800*                              | 33.3                    | 417.9                         | 13,200                                                             | 90,200*                              | 350                          |
| 360                          |                         |                               |                                                                    |                                      | 19.3                    | 358.9                         | 26,800                                                             | 83,700*                              | 29.6                    | 401.1                         | 9,300                                                              | 85,200*                              | 360                          |
| 370                          |                         |                               |                                                                    |                                      | 11.9                    | 321.4                         | 22,000                                                             | 76,700*                              | 25.4                    | 381.3                         | 5,600                                                              | 80,500*                              | 370                          |
| 380                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 20.3                    | 356.8                         | 1,900                                                              | 75,800*                              | 380                          |
| 390                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 13.5                    | 322.5                         |                                                                    | 71,200*                              | 390                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



21000  
MAX-ER

## 280.0 ft Boom, 120.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 105                          |                         |                               |                                                                    | c                                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          |                         |                               |                                                                    | c                                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 62.7                    | 392.9                         | 446,100                                                            | 543,600*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 59.9                    | 390.0                         | 422,400                                                            | 519,200*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 57.0                    | 386.7                         | 400,600                                                            | 496,600*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 54.1                    | 383.0                         | 380,600                                                            | 475,800*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 51.0                    | 379.0                         | 362,200                                                            | 456,400*b                            | 64.8                    | 389.5                         | 314,500                                                            | *                                    |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 47.8                    | 374.5                         | 345,000                                                            | 438,300*                             | 62.1                    | 386.8                         | 299,500                                                            | 407,400*b                            |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 44.4                    | 369.4                         | 329,100                                                            | 421,300*                             | 59.3                    | 383.8                         | 285,600                                                            | 391,800*b                            |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 40.8                    | 363.6                         | 314,100                                                            | 405,400*                             | 56.5                    | 380.5                         | 272,600                                                            | 377,100*b                            |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 36.8                    | 357.0                         | 300,100                                                            | 390,500*                             | 53.5                    | 376.7                         | 260,500                                                            | 363,300*b                            |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 32.4                    | 349.4                         | 286,800                                                            | 376,300*                             | 50.4                    | 372.6                         | 249,100                                                            | 350,300*b                            |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 27.4                    | 340.1                         | 274,100                                                            | 362,800*                             | 47.1                    | 368.0                         | 238,300                                                            | 338,000*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 21.2                    | 328.1                         | 261,900                                                            | 349,900*                             | 43.7                    | 362.7                         | 228,200                                                            | 326,400*                             | 58.4                    | 375.2                         | 192,400                                                            | 301,700*b                            | 170                          |
| 175                          | 12.0                    | 309.5                         | 249,300                                                            | 337,000*                             | 40.0                    | 356.8                         | 218,500                                                            | 315,400*                             | 55.5                    | 371.7                         | 184,100                                                            | 291,600*b                            | 175                          |
| 180                          |                         |                               |                                                                    |                                      | 36.0                    | 350.0                         | 209,300                                                            | 304,900*                             | 52.5                    | 367.9                         | 176,400                                                            | 282,000*b                            | 180                          |
| 185                          |                         |                               |                                                                    |                                      | 31.5                    | 342.1                         | 200,500                                                            | 294,800*                             | 49.4                    | 363.6                         | 169,000                                                            | 272,900*b                            | 185                          |
| 190                          |                         |                               |                                                                    |                                      | 26.3                    | 332.4                         | 191,900                                                            | 285,100*                             | 46.0                    | 358.8                         | 161,900                                                            | 264,200*                             | 190                          |
| 195                          |                         |                               |                                                                    |                                      | 19.7                    | 319.6                         | 183,300                                                            | 275,700*                             | 42.5                    | 353.3                         | 155,100                                                            | 255,900*                             | 195                          |
| 200                          |                         |                               |                                                                    |                                      | 8.8                     | 297.4                         | 174,000                                                            | 265,900*                             | 38.7                    | 347.2                         | 148,600                                                            | 247,900*                             | 200                          |
| 205                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 34.6                    | 340.0                         | 142,400                                                            | 240,200*                             | 205                          |
| 210                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 29.9                    | 331.6                         | 136,200                                                            | 232,800*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 24.4                    | 321.1                         | 130,100                                                            | 225,600*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 17.1                    | 306.7                         | 123,800                                                            | 218,300*                             | 220                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

Do not luff into area indicated by (c)  
with 37,000 lb minimum weight  
(see CAUTION on page 1).

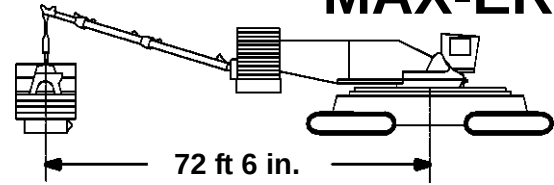
# Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 280.0 ft Boom, 140.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 110                          |                         |                               |                                                                    | <sup>c</sup>                         |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          | 66.9                    | 415.2                         | 441,900                                                            | 539,300* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 64.6                    | 412.8                         | 418,300                                                            | 515,100* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 62.3                    | 410.2                         | 396,700                                                            | 492,700* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 59.9                    | 407.3                         | 376,900                                                            | 472,000* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 57.5                    | 404.1                         | 358,600                                                            | 452,800* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 55.0                    | 400.5                         | 341,700                                                            | 434,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 52.4                    | 396.7                         | 326,000                                                            | 418,100*                             | 64.1                    | 406.8                         | 280,200                                                            | 387,100* <sup>b</sup>                |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 49.7                    | 392.4                         | 311,400                                                            | 402,500*                             | 61.8                    | 404.1                         | 267,500                                                            | 372,600* <sup>b</sup>                |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 46.9                    | 387.8                         | 297,700                                                            | 387,800*                             | 59.4                    | 401.1                         | 255,500                                                            | 359,000* <sup>b</sup>                |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 44.0                    | 382.6                         | 284,900                                                            | 373,900*                             | 57.0                    | 397.8                         | 244,300                                                            | 346,200* <sup>b</sup>                |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 40.9                    | 376.9                         | 272,800                                                            | 360,800*                             | 54.5                    | 394.3                         | 233,800                                                            | 334,100*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 37.5                    | 370.4                         | 261,300                                                            | 348,400*                             | 51.9                    | 390.3                         | 224,000                                                            | 322,700*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 33.9                    | 363.1                         | 250,500                                                            | 336,700*                             | 49.2                    | 386.0                         | 214,600                                                            | 311,900*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 29.9                    | 354.6                         | 240,100                                                            | 325,500*                             | 46.3                    | 381.2                         | 205,800                                                            | 301,600*                             | 58.6                    | 392.5                         | 170,700                                                            | 277,300* <sup>b</sup>                | 180                          |
| 185                          | 25.2                    | 344.5                         | 230,200                                                            | 314,700*                             | 43.3                    | 376.0                         | 197,400                                                            | 291,900*                             | 56.2                    | 389.1                         | 163,500                                                            | 268,400* <sup>b</sup>                | 185                          |
| 190                          | 19.5                    | 331.4                         | 220,400                                                            | 304,300*                             | 40.2                    | 370.1                         | 189,400                                                            | 282,600*                             | 53.6                    | 385.5                         | 156,700                                                            | 259,900*                             | 190                          |
| 195                          | 11.0                    | 311.2                         | 210,200                                                            | 293,900*                             | 36.8                    | 363.5                         | 181,700                                                            | 273,700*                             | 51.0                    | 381.4                         | 150,200                                                            | 251,800*                             | 195                          |
| 200                          |                         |                               |                                                                    |                                      | 33.1                    | 356.0                         | 174,400                                                            | 265,200*                             | 48.3                    | 376.9                         | 144,000                                                            | 244,000*                             | 200                          |
| 205                          |                         |                               |                                                                    |                                      | 29.0                    | 347.2                         | 167,300                                                            | 257,000*                             | 45.4                    | 372.0                         | 138,100                                                            | 236,600*                             | 205                          |
| 210                          |                         |                               |                                                                    |                                      | 24.2                    | 336.6                         | 160,300                                                            | 249,100*                             | 42.4                    | 366.6                         | 132,400                                                            | 229,500*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      | 18.1                    | 322.6                         | 153,300                                                            | 241,300*                             | 39.1                    | 360.5                         | 126,900                                                            | 222,700*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      | 8.0                     | 298.5                         | 145,500                                                            | 233,100*                             | 35.7                    | 353.6                         | 121,600                                                            | 216,100*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 31.8                    | 345.7                         | 116,500                                                            | 209,800*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 27.5                    | 336.4                         | 111,400                                                            | 203,600*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 22.4                    | 325.0                         | 106,400                                                            | 197,500*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 15.7                    | 309.3                         | 101,100                                                            | 191,400*                             | 240                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

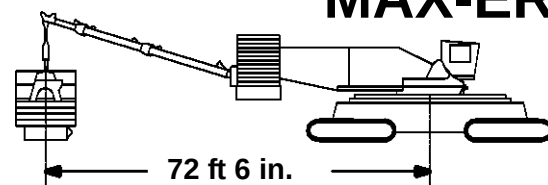
Do not luff into area indicated by (c)  
with 37,000 lb minimum weight  
(see CAUTION on page 1).



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 280.0 ft Boom, 160.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 115                          | 69.9                    | 436.9                         | 440,200                                                            | 536,000* <b>b</b>                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 68.0                    | 434.9                         | 416,500                                                            | 511,900* <b>b</b>                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 66.0                    | 432.6                         | 394,900                                                            | 489,600* <b>b</b>                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 64.0                    | 430.2                         | 375,100                                                            | 469,000* <b>b</b>                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 62.0                    | 427.5                         | 356,800                                                            | 449,900* <b>b</b>                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 59.9                    | 424.6                         | 339,900                                                            | 432,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 57.8                    | 421.4                         | 324,300                                                            | 415,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 55.6                    | 418.0                         | 309,700                                                            | 400,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 53.4                    | 414.3                         | 296,100                                                            | 385,400*                             | 63.6                    | 424.1                         | 252,300                                                            | 355,600* <b>b</b>                    |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 51.1                    | 410.2                         | 283,400                                                            | 371,700*                             | 61.6                    | 421.4                         | 241,200                                                            | 342,900* <b>b</b>                    |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 48.7                    | 405.8                         | 271,500                                                            | 358,700*                             | 59.5                    | 418.4                         | 230,800                                                            | 330,900*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 46.2                    | 401.1                         | 260,300                                                            | 346,500*                             | 57.4                    | 415.2                         | 221,100                                                            | 319,700*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 43.7                    | 395.8                         | 249,700                                                            | 335,000*                             | 55.2                    | 411.7                         | 211,900                                                            | 309,000*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 40.9                    | 390.1                         | 239,600                                                            | 324,000*                             | 52.9                    | 407.9                         | 203,200                                                            | 298,900*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 38.0                    | 383.8                         | 230,100                                                            | 313,600*                             | 50.6                    | 403.8                         | 194,900                                                            | 289,300*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 34.9                    | 376.7                         | 221,100                                                            | 303,700*                             | 48.2                    | 399.4                         | 187,100                                                            | 280,100*                             | 58.8                    | 409.9                         | 152,900                                                            | 256,500*                             | 190                          |
| 195                          | 31.6                    | 368.7                         | 212,400                                                            | 294,200*                             | 45.7                    | 394.5                         | 179,700                                                            | 271,400*                             | 56.7                    | 406.5                         | 146,600                                                            | 248,500*                             | 195                          |
| 200                          | 27.8                    | 359.5                         | 204,000                                                            | 285,100*                             | 43.1                    | 389.2                         | 172,600                                                            | 263,100*                             | 54.5                    | 403.0                         | 140,500                                                            | 240,900*                             | 200                          |
| 205                          | 23.5                    | 348.5                         | 195,900                                                            | 276,300*                             | 40.4                    | 383.3                         | 165,800                                                            | 255,200*                             | 52.2                    | 399.1                         | 134,800                                                            | 233,600*                             | 205                          |
| 210                          | 18.2                    | 334.5                         | 188,000                                                            | 267,700*                             | 37.4                    | 376.9                         | 159,300                                                            | 247,600*                             | 49.9                    | 394.9                         | 129,300                                                            | 226,600*                             | 210                          |
| 215                          | 10.2                    | 312.8                         | 179,600                                                            | 259,100*                             | 34.3                    | 369.6                         | 153,100                                                            | 240,300*                             | 47.4                    | 390.3                         | 124,000                                                            | 220,000*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      | 30.8                    | 361.4                         | 147,000                                                            | 233,300*                             | 44.9                    | 385.3                         | 118,900                                                            | 213,600*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      | 27.0                    | 351.9                         | 141,100                                                            | 226,500*                             | 42.2                    | 379.8                         | 114,100                                                            | 207,400*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      | 22.5                    | 340.4                         | 135,300                                                            | 219,800*                             | 39.4                    | 373.8                         | 109,400                                                            | 201,500*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      | 16.9                    | 325.5                         | 129,500                                                            | 213,300*                             | 36.4                    | 367.0                         | 104,800                                                            | 195,800*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      | 7.4                     | 299.6                         | 122,900                                                            | 206,400*                             | 33.2                    | 359.5                         | 100,400                                                            | 190,300*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 29.7                    | 351.0                         | 96,100                                                             | 185,000*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 25.6                    | 340.9                         | 91,800                                                             | 179,700*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 14.6                    | 311.7                         | 83,100                                                             | 169,400*                             | 260                          |

Capacities indicated by **(b)** require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

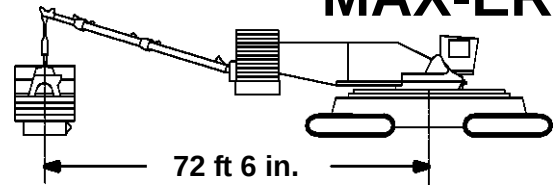
# Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 280.0 ft Boom, 180.0 ft Luffing Jib

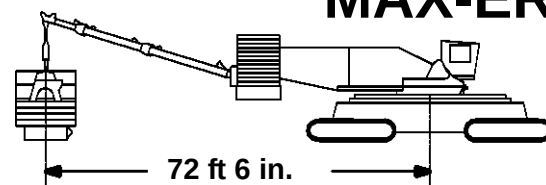
| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 125                          | 68.8                    | 454.5                         | 390,000                                                            | 485,000*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 67.1                    | 452.3                         | 370,200                                                            | 464,500*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 65.4                    | 450.0                         | 352,000                                                            | 445,500*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 63.6                    | 447.5                         | 335,200                                                            | 427,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 61.8                    | 444.8                         | 319,600                                                            | 411,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 59.9                    | 441.9                         | 305,100                                                            | 395,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 58.1                    | 438.8                         | 291,600                                                            | 381,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 56.1                    | 435.4                         | 279,000                                                            | 367,700*                             | 65.0                    | 444.0                         | 235,400                                                            | 338,000*(b)                          |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 54.2                    | 431.8                         | 267,200                                                            | 354,900*                             | 63.2                    | 441.5                         | 225,100                                                            | 326,100*                             |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 52.2                    | 427.9                         | 256,100                                                            | 342,800*                             | 61.4                    | 438.7                         | 215,400                                                            | 314,900*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 50.1                    | 423.7                         | 245,700                                                            | 331,300*                             | 59.6                    | 435.8                         | 206,300                                                            | 304,400*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 47.9                    | 419.2                         | 235,800                                                            | 320,500*                             | 57.7                    | 432.6                         | 197,700                                                            | 294,300*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 45.7                    | 414.3                         | 226,500                                                            | 310,200*                             | 55.7                    | 429.2                         | 189,600                                                            | 284,800*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 43.4                    | 409.1                         | 217,600                                                            | 300,400*                             | 53.8                    | 425.5                         | 181,900                                                            | 275,800*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 41.0                    | 403.3                         | 209,200                                                            | 291,100*                             | 51.7                    | 421.5                         | 174,700                                                            | 267,200*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 38.4                    | 397.1                         | 201,200                                                            | 282,300*                             | 49.6                    | 417.3                         | 167,700                                                            | 259,100*                             | 59.0                    | 427.2                         | 134,300                                                            | 235,900*                             | 200                          |
| 205                          | 35.7                    | 390.2                         | 193,500                                                            | 273,800*                             | 47.5                    | 412.7                         | 161,100                                                            | 251,200*                             | 57.1                    | 423.9                         | 128,700                                                            | 228,700*                             | 205                          |
| 210                          | 32.8                    | 382.6                         | 186,200                                                            | 265,600*                             | 45.2                    | 407.8                         | 154,800                                                            | 243,800*                             | 55.1                    | 420.4                         | 123,300                                                            | 221,900*                             | 210                          |
| 215                          | 29.7                    | 374.0                         | 179,100                                                            | 257,800*                             | 42.9                    | 402.4                         | 148,800                                                            | 236,600*                             | 53.1                    | 416.7                         | 118,200                                                            | 215,300*                             | 215                          |
| 220                          | 26.1                    | 364.1                         | 172,200                                                            | 250,300*                             | 40.5                    | 396.6                         | 143,000                                                            | 229,800*                             | 51.1                    | 412.6                         | 113,300                                                            | 209,000*                             | 220                          |
| 225                          | 22.1                    | 352.3                         | 165,500                                                            | 243,000*                             | 37.9                    | 390.2                         | 137,500                                                            | 223,200*                             | 49.0                    | 408.3                         | 108,600                                                            | 203,000*                             | 225                          |
| 230                          | 17.0                    | 337.4                         | 158,900                                                            | 235,800*                             | 35.2                    | 383.2                         | 132,100                                                            | 216,900*                             | 46.8                    | 403.6                         | 104,100                                                            | 197,200*                             | 230                          |
| 235                          | 9.5                     | 314.3                         | 151,800                                                            | 228,500*                             | 32.2                    | 375.4                         | 126,900                                                            | 210,800*                             | 44.5                    | 398.5                         | 99,700                                                             | 191,700*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      | 29.0                    | 366.5                         | 121,900                                                            | 204,900*                             | 42.1                    | 393.0                         | 95,600                                                             | 186,300*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      | 25.4                    | 356.3                         | 116,900                                                            | 199,100*                             | 39.7                    | 387.0                         | 91,500                                                             | 181,200*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      | 21.1                    | 344.1                         | 112,100                                                            | 193,500*                             | 37.0                    | 380.5                         | 87,600                                                             | 176,200*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      | 6.9                     | 300.6                         | 101,400                                                            | 182,000*                             | 31.2                    | 365.1                         | 80,000                                                             | 166,700*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 24.1                    | 345.1                         | 72,800                                                             | 157,600*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 13.7                    | 314.0                         | 65,200                                                             | 148,700*                             | 280                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



21000  
MAX-ER

## 280.0 ft Boom, 200.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 130                          | 69.5                    | 474.0                         | 366,500                                                            | 441,300*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 68.0                    | 472.0                         | 348,300                                                            | 441,300*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 66.4                    | 469.8                         | 331,600                                                            | 424,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 64.8                    | 467.4                         | 316,000                                                            | 407,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 63.2                    | 464.9                         | 301,600                                                            | 392,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 61.6                    | 462.1                         | 288,200                                                            | 378,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 59.9                    | 459.2                         | 275,600                                                            | 364,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 58.3                    | 456.1                         | 263,900                                                            | 351,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 56.5                    | 452.8                         | 252,800                                                            | 339,800*                             | 64.5                    | 461.4                         | 211,100                                                            | 311,300*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 54.8                    | 449.3                         | 242,400                                                            | 328,400*                             | 62.9                    | 458.8                         | 202,100                                                            | 300,800*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 53.0                    | 445.5                         | 232,700                                                            | 317,600*                             | 61.3                    | 456.0                         | 193,600                                                            | 290,800*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 51.1                    | 441.5                         | 223,400                                                            | 307,400*                             | 59.6                    | 453.1                         | 185,500                                                            | 281,400*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 49.3                    | 437.1                         | 214,700                                                            | 297,700*                             | 57.9                    | 449.9                         | 177,900                                                            | 272,400*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 47.3                    | 432.5                         | 206,400                                                            | 288,500*                             | 56.2                    | 446.6                         | 170,700                                                            | 263,900*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 45.3                    | 427.6                         | 198,500                                                            | 279,800*                             | 54.4                    | 443.0                         | 163,900                                                            | 255,800*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 43.2                    | 422.3                         | 191,000                                                            | 271,400*                             | 52.6                    | 439.2                         | 157,400                                                            | 248,100*                             | 59.1                    | 444.5                         | 118,800                                                            | 218,200*                             | 205                          |
| 210                          | 41.0                    | 416.6                         | 183,800                                                            | 263,400*                             | 50.8                    | 435.1                         | 151,200                                                            | 240,700*                             | 57.4                    | 441.3                         | 113,700                                                            | 211,700*                             | 210                          |
| 215                          | 38.7                    | 410.4                         | 176,900                                                            | 255,700*                             | 48.9                    | 430.7                         | 145,300                                                            | 233,700*                             | 55.6                    | 437.9                         | 108,900                                                            | 205,500*                             | 215                          |
| 220                          | 36.3                    | 403.6                         | 170,400                                                            | 248,400*                             | 46.9                    | 426.0                         | 139,600                                                            | 226,900*                             | 53.8                    | 434.2                         | 104,300                                                            | 199,600*                             | 220                          |
| 225                          | 33.8                    | 396.3                         | 164,000                                                            | 241,300*                             | 44.9                    | 421.0                         | 134,200                                                            | 220,400*                             | 52.0                    | 430.3                         | 99,900                                                             | 193,900*                             | 225                          |
| 230                          | 31.0                    | 388.1                         | 158,000                                                            | 234,500*                             | 42.8                    | 415.6                         | 129,000                                                            | 214,200*                             | 50.2                    | 426.1                         | 95,700                                                             | 188,400*                             | 230                          |
| 235                          | 28.1                    | 378.9                         | 152,100                                                            | 228,000*                             | 40.6                    | 409.8                         | 124,000                                                            | 208,200*                             | 48.2                    | 421.6                         | 91,600                                                             | 183,100*                             | 235                          |
| 240                          | 24.7                    | 368.4                         | 146,300                                                            | 221,600*                             | 38.3                    | 403.5                         | 119,200                                                            | 202,500*                             | 46.3                    | 416.9                         | 87,700                                                             | 178,100*                             | 240                          |
| 245                          | 20.9                    | 355.9                         | 140,700                                                            | 215,400*                             | 35.8                    | 396.7                         | 114,500                                                            | 196,900*                             | 44.2                    | 411.8                         | 83,900                                                             | 173,200*                             | 245                          |
| 250                          | 16.1                    | 340.1                         | 135,100                                                            | 209,300*                             | 33.2                    | 389.1                         | 110,000                                                            | 191,600*                             | 39.8                    | 400.3                         | 76,700                                                             | 163,900*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      | 27.4                    | 371.4                         | 101,400                                                            | 181,300*                             | 35.0                    | 386.8                         | 69,900                                                             | 155,200*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      | 20.0                    | 347.5                         | 93,000                                                             | 171,600*                             | 29.5                    | 370.3                         | 63,500                                                             | 147,000*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      | 6.5                     | 301.6                         | 83,800                                                             | 161,600*                             | 22.8                    | 349.0                         | 57,200                                                             | 139,200*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 12.9                    | 316.1                         | 50,700                                                             | 131,400*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 300                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

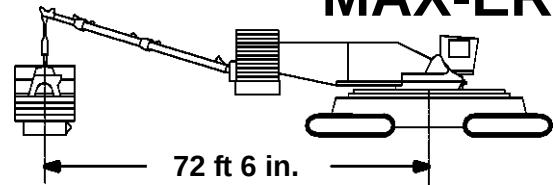
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



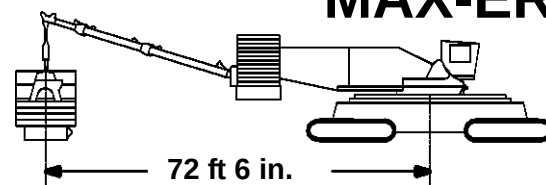
## 280.0 ft Boom, 220.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 140                          | 68.7                    | 491.5                         | 328,000                                                            | 390,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 67.3                    | 489.4                         | 312,400                                                            | 390,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 65.8                    | 487.2                         | 297,900                                                            | 388,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 64.4                    | 484.8                         | 284,400                                                            | 373,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 62.9                    | 482.2                         | 271,800                                                            | 360,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 61.5                    | 479.5                         | 260,000                                                            | 347,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 59.9                    | 476.5                         | 248,900                                                            | 335,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 58.4                    | 473.5                         | 238,500                                                            | 324,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 56.9                    | 470.2                         | 228,700                                                            | 313,500*                             | 64.1                    | 478.7                         | 188,400                                                            | 286,000*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 55.3                    | 466.7                         | 219,500                                                            | 303,400*                             | 62.6                    | 476.1                         | 180,400                                                            | 276,600*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 53.7                    | 463.0                         | 210,800                                                            | 293,700*                             | 61.1                    | 473.4                         | 172,800                                                            | 267,700*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 52.0                    | 459.1                         | 202,500                                                            | 284,600*                             | 59.6                    | 470.4                         | 165,600                                                            | 259,200*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 50.3                    | 455.0                         | 194,600                                                            | 275,900*                             | 58.1                    | 467.3                         | 158,800                                                            | 251,200*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 48.6                    | 450.5                         | 187,200                                                            | 267,600*                             | 56.5                    | 464.0                         | 152,300                                                            | 243,500*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 46.8                    | 445.9                         | 180,000                                                            | 259,600*                             | 54.9                    | 460.5                         | 146,200                                                            | 236,200*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 44.9                    | 440.9                         | 173,300                                                            | 252,100*                             | 53.3                    | 456.7                         | 140,300                                                            | 229,200*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 43.0                    | 435.5                         | 166,800                                                            | 244,800*                             | 51.7                    | 452.8                         | 134,700                                                            | 222,600*                             | 59.1                    | 461.8                         | 103,000                                                            | 200,500*                             | 220                          |
| 225                          | 41.1                    | 429.8                         | 160,600                                                            | 237,900*                             | 50.0                    | 448.6                         | 129,400                                                            | 216,200*                             | 57.6                    | 458.7                         | 98,400                                                             | 194,700*                             | 225                          |
| 230                          | 39.0                    | 423.7                         | 154,600                                                            | 231,200*                             | 48.2                    | 444.1                         | 124,200                                                            | 210,000*                             | 56.0                    | 455.3                         | 94,100                                                             | 189,000*                             | 230                          |
| 235                          | 36.8                    | 417.0                         | 148,900                                                            | 224,800*                             | 46.4                    | 439.3                         | 119,300                                                            | 204,100*                             | 54.4                    | 451.7                         | 89,900                                                             | 183,600*                             | 235                          |
| 240                          | 34.6                    | 409.9                         | 143,400                                                            | 218,600*                             | 44.6                    | 434.3                         | 114,600                                                            | 198,500*                             | 52.8                    | 447.9                         | 85,900                                                             | 178,400*                             | 240                          |
| 245                          | 32.1                    | 402.0                         | 138,100                                                            | 212,600*                             | 42.6                    | 428.9                         | 110,100                                                            | 193,000*                             | 51.1                    | 443.9                         | 82,100                                                             | 173,400*                             | 245                          |
| 250                          | 29.5                    | 393.3                         | 132,900                                                            | 206,900*                             | 40.6                    | 423.1                         | 105,700                                                            | 187,700*                             | 49.4                    | 439.6                         | 78,400                                                             | 168,600*                             | 250                          |
| 260                          | 23.5                    | 372.5                         | 123,000                                                            | 195,800*                             | 36.4                    | 410.1                         | 97,400                                                             | 177,800*                             | 45.8                    | 430.2                         | 71,400                                                             | 159,500*                             | 260                          |
| 270                          | 15.3                    | 342.7                         | 113,400                                                            | 184,400*                             | 31.6                    | 394.8                         | 89,600                                                             | 168,400*                             | 42.0                    | 419.5                         | 64,900                                                             | 151,000*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      | 26.1                    | 375.9                         | 82,100                                                             | 159,600*                             | 37.9                    | 407.1                         | 58,700                                                             | 143,100*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      | 19.0                    | 350.8                         | 74,900                                                             | 151,200*                             | 33.3                    | 392.7                         | 52,900                                                             | 135,600*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      | 6.1                     | 302.5                         | 66,800                                                             | 142,400*                             | 28.1                    | 375.3                         | 47,300                                                             | 128,500*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 21.7                    | 352.8                         | 41,800                                                             | 121,600*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 12.3                    | 318.1                         | 36,000                                                             | 114,800*                             | 320                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 280.0 ft Boom, 240.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 150                          | 68.0                    | 509.0                         | 293,400                                                            | 347,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 66.7                    | 506.9                         | 279,900                                                            | 347,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 65.4                    | 504.6                         | 267,400                                                            | 347,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 64.0                    | 502.1                         | 255,600                                                            | 343,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 62.7                    | 499.5                         | 244,500                                                            | 331,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 61.3                    | 496.8                         | 234,200                                                            | 320,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 59.9                    | 493.9                         | 224,400                                                            | 309,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 58.5                    | 490.8                         | 215,200                                                            | 299,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 57.1                    | 487.6                         | 206,500                                                            | 290,100*                             | 63.8                    | 496.1                         | 167,800                                                            | 263,600*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 55.7                    | 484.1                         | 198,200                                                            | 281,000*                             | 62.4                    | 493.5                         | 160,700                                                            | 255,200*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 54.2                    | 480.5                         | 190,400                                                            | 272,300*                             | 61.0                    | 490.7                         | 153,900                                                            | 247,200*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 52.7                    | 476.7                         | 183,000                                                            | 264,100*                             | 59.7                    | 487.7                         | 147,500                                                            | 239,600*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 51.2                    | 472.7                         | 175,900                                                            | 256,200*                             | 58.3                    | 484.6                         | 141,400                                                            | 232,300*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 49.6                    | 468.4                         | 169,200                                                            | 248,700*                             | 56.8                    | 481.4                         | 135,500                                                            | 225,400*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 48.0                    | 463.9                         | 162,800                                                            | 241,500*                             | 55.4                    | 477.9                         | 130,000                                                            | 218,700*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 46.4                    | 459.2                         | 156,600                                                            | 234,600*                             | 53.9                    | 474.2                         | 124,700                                                            | 212,400*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 44.7                    | 454.1                         | 150,800                                                            | 227,900*                             | 52.4                    | 470.4                         | 119,600                                                            | 206,300*                             | 59.2                    | 479.2                         | 88,800                                                             | 184,900*                             | 230                          |
| 235                          | 42.9                    | 448.8                         | 145,100                                                            | 221,600*                             | 50.9                    | 466.3                         | 114,800                                                            | 200,400*                             | 57.8                    | 476.0                         | 84,700                                                             | 179,500*                             | 235                          |
| 240                          | 41.1                    | 443.0                         | 139,700                                                            | 215,500*                             | 49.3                    | 462.0                         | 110,100                                                            | 194,800*                             | 56.4                    | 472.7                         | 80,800                                                             | 174,400*                             | 240                          |
| 245                          | 39.2                    | 436.9                         | 134,500                                                            | 209,600*                             | 47.7                    | 457.5                         | 105,600                                                            | 189,400*                             | 54.9                    | 469.1                         | 77,000                                                             | 169,400*                             | 245                          |
| 250                          | 37.2                    | 430.4                         | 129,500                                                            | 204,000*                             | 46.0                    | 452.6                         | 101,300                                                            | 184,200*                             | 53.4                    | 465.4                         | 73,400                                                             | 164,700*                             | 250                          |
| 260                          | 33.0                    | 415.8                         | 120,000                                                            | 193,200*                             | 42.5                    | 442.1                         | 93,200                                                             | 174,400*                             | 50.4                    | 457.4                         | 66,500                                                             | 155,600*                             | 260                          |
| 270                          | 28.2                    | 398.3                         | 111,100                                                            | 183,200*                             | 38.8                    | 430.1                         | 85,600                                                             | 165,200*                             | 47.1                    | 448.4                         | 60,100                                                             | 147,300*                             | 270                          |
| 280                          | 22.5                    | 376.4                         | 102,600                                                            | 172,800*                             | 34.8                    | 416.3                         | 78,500                                                             | 156,600*                             | 43.7                    | 438.2                         | 54,100                                                             | 139,400*                             | 280                          |
| 290                          | 14.6                    | 345.2                         | 94,200                                                             | 163,600*                             | 30.2                    | 400.1                         | 71,700                                                             | 148,500*                             | 40.1                    | 426.8                         | 48,500                                                             | 132,100*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      | 24.9                    | 380.3                         | 65,300                                                             | 140,900*                             | 36.2                    | 413.7                         | 43,200                                                             | 125,200*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      | 18.2                    | 353.9                         | 58,900                                                             | 133,400*                             | 31.8                    | 398.4                         | 38,100                                                             | 118,600*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      | 5.8                     | 303.4                         | 51,800                                                             | 125,700*                             | 26.8                    | 380.0                         | 33,200                                                             | 112,400*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 20.7                    | 356.4                         | 28,400                                                             | 106,300*                             | 330                          |
| 340                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 11.7                    | 320.1                         | 23,200                                                             | 100,200*                             | 340                          |

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

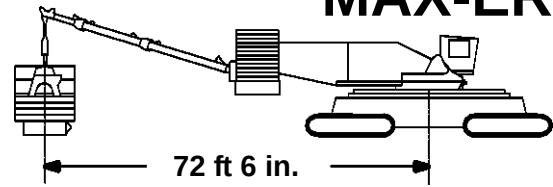
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



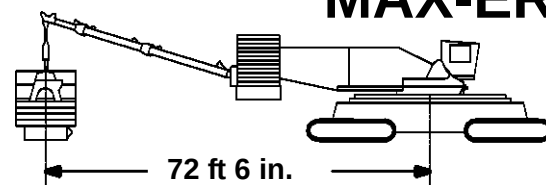
## 280.0 ft Boom, 260.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 165                          | 66.2                    | 524.3                         | 250,400                                                            | 306,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 65.0                    | 522.0                         | 239,400                                                            | 306,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 63.7                    | 519.5                         | 229,000                                                            | 306,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 62.5                    | 516.9                         | 219,300                                                            | 304,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 61.2                    | 514.1                         | 210,100                                                            | 295,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 60.0                    | 511.2                         | 201,500                                                            | 285,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 58.7                    | 508.1                         | 193,300                                                            | 276,800*                             | 64.7                    | 515.9                         | 154,700                                                            | 250,400*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 57.4                    | 504.9                         | 185,500                                                            | 268,200*                             | 63.5                    | 513.4                         | 148,000                                                            | 242,500*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 56.0                    | 501.5                         | 178,100                                                            | 260,000*                             | 62.2                    | 510.8                         | 141,600                                                            | 234,900*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 54.7                    | 498.0                         | 171,100                                                            | 252,100*                             | 61.0                    | 508.0                         | 135,600                                                            | 227,700*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 53.3                    | 494.3                         | 164,400                                                            | 244,700*                             | 59.7                    | 505.1                         | 129,800                                                            | 220,800*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 51.9                    | 490.3                         | 158,000                                                            | 237,500*                             | 58.4                    | 502.0                         | 124,300                                                            | 214,200*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 50.5                    | 486.2                         | 151,900                                                            | 230,600*                             | 57.1                    | 498.7                         | 119,100                                                            | 207,900*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 49.0                    | 481.9                         | 146,100                                                            | 224,100*                             | 55.7                    | 495.3                         | 114,000                                                            | 201,800*                             |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 47.5                    | 477.3                         | 140,500                                                            | 217,800*                             | 54.4                    | 491.7                         | 109,200                                                            | 196,000*                             |                         |                               |                                                                    |                                      | 235                          |
| 240                          | 46.0                    | 472.5                         | 135,200                                                            | 211,700*                             | 53.0                    | 488.0                         | 104,600                                                            | 190,400*                             | 59.3                    | 496.5                         | 74,500                                                             | 169,500*                             | 240                          |
| 245                          | 44.4                    | 467.4                         | 130,100                                                            | 205,900*                             | 51.6                    | 484.0                         | 100,200                                                            | 185,100*                             | 58.0                    | 493.4                         | 70,800                                                             | 164,600*                             | 245                          |
| 250                          | 42.8                    | 462.0                         | 125,100                                                            | 200,300*                             | 50.2                    | 479.8                         | 96,000                                                             | 179,900*                             | 56.7                    | 490.1                         | 67,200                                                             | 159,800*                             | 250                          |
| 260                          | 39.4                    | 450.2                         | 115,800                                                            | 189,700*                             | 47.2                    | 470.8                         | 88,000                                                             | 170,200*                             | 54.0                    | 482.9                         | 60,500                                                             | 150,900*                             | 260                          |
| 270                          | 35.7                    | 436.8                         | 107,100                                                            | 179,800*                             | 44.1                    | 460.8                         | 80,600                                                             | 161,200*                             | 51.1                    | 475.1                         | 54,200                                                             | 142,600*                             | 270                          |
| 280                          | 31.7                    | 421.4                         | 99,000                                                             | 170,600*                             | 40.8                    | 449.5                         | 73,600                                                             | 152,700*                             | 48.2                    | 466.4                         | 48,400                                                             | 134,900*                             | 280                          |
| 290                          | 27.1                    | 403.1                         | 91,300                                                             | 161,100*                             | 37.2                    | 436.9                         | 67,100                                                             | 144,800*                             | 45.2                    | 456.7                         | 42,900                                                             | 127,700*                             | 290                          |
| 300                          | 21.5                    | 380.2                         | 83,900                                                             | 151,900*                             | 33.3                    | 422.3                         | 61,000                                                             | 137,300*                             | 41.9                    | 445.9                         | 37,800                                                             | 120,900*                             | 300                          |
| 310                          | 14.0                    | 347.5                         | 76,500                                                             | 144,500*                             | 29.0                    | 405.3                         | 55,100                                                             | 130,200*                             | 38.5                    | 433.8                         | 32,900                                                             | 114,500*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      | 23.9                    | 384.5                         | 49,400                                                             | 123,500*                             | 34.7                    | 419.9                         | 28,300                                                             | 108,400*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      | 17.4                    | 356.9                         | 43,800                                                             | 116,900*                             | 30.5                    | 403.8                         | 23,900                                                             | 102,700*                             | 330                          |
| 340                          |                         |                               |                                                                    |                                      | 5.6                     | 304.2                         | 37,400                                                             | 110,000*                             | 25.7                    | 384.5                         | 19,600                                                             | 97,100*                              | 340                          |
| 350                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 19.8                    | 359.8                         | 15,300                                                             | 91,800*                              | 350                          |
| 360                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 11.2                    | 321.9                         | 10,700                                                             | 86,300*                              | 360                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 280.0 ft Boom, 280.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 175                          | 65.7                    | 541.7                         | 224,900                                                            | 273,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 64.6                    | 539.3                         | 215,200                                                            | 273,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 63.5                    | 536.8                         | 206,000                                                            | 273,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 62.3                    | 534.2                         | 197,400                                                            | 273,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 61.1                    | 531.4                         | 189,200                                                            | 269,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 60.0                    | 528.5                         | 181,400                                                            | 264,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 58.8                    | 525.5                         | 174,100                                                            | 256,600*                             | 64.4                    | 533.3                         | 136,900                                                            | 231,100*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 57.5                    | 522.3                         | 167,100                                                            | 248,800*                             | 63.2                    | 530.8                         | 130,900                                                            | 223,900*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 56.3                    | 518.9                         | 160,400                                                            | 241,400*                             | 62.1                    | 528.1                         | 125,200                                                            | 217,100*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 55.1                    | 515.4                         | 154,100                                                            | 234,200*                             | 60.9                    | 525.3                         | 119,700                                                            | 210,500*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 53.8                    | 511.8                         | 148,000                                                            | 227,400*                             | 59.7                    | 522.4                         | 114,500                                                            | 204,200*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 52.5                    | 507.9                         | 142,200                                                            | 220,900*                             | 58.5                    | 519.3                         | 109,600                                                            | 198,200*                             |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 51.2                    | 503.9                         | 136,700                                                            | 214,600*                             | 57.3                    | 516.1                         | 104,800                                                            | 192,400*                             |                         |                               |                                                                    |                                      | 235                          |
| 240                          | 49.9                    | 499.7                         | 131,400                                                            | 208,600*                             | 56.1                    | 512.7                         | 100,200                                                            | 186,900*                             |                         |                               |                                                                    |                                      | 240                          |
| 245                          | 48.5                    | 495.3                         | 126,300                                                            | 202,800*                             | 54.8                    | 509.2                         | 95,900                                                             | 181,600*                             |                         |                               |                                                                    |                                      | 245                          |
| 250                          | 47.1                    | 490.6                         | 121,400                                                            | 197,200*                             | 53.5                    | 505.5                         | 91,700                                                             | 176,500*                             | 59.3                    | 513.8                         | 62,300                                                             | 156,000*                             | 250                          |
| 260                          | 44.2                    | 480.6                         | 112,200                                                            | 186,700*                             | 50.9                    | 497.5                         | 83,800                                                             | 166,800*                             | 56.9                    | 507.4                         | 55,700                                                             | 147,200*                             | 260                          |
| 270                          | 41.1                    | 469.5                         | 103,700                                                            | 177,000*                             | 48.2                    | 488.8                         | 76,400                                                             | 157,800*                             | 54.4                    | 500.4                         | 49,500                                                             | 139,000*                             | 270                          |
| 280                          | 37.9                    | 457.1                         | 95,700                                                             | 167,800*                             | 45.4                    | 479.2                         | 69,600                                                             | 149,500*                             | 51.8                    | 492.7                         | 43,800                                                             | 131,300*                             | 280                          |
| 290                          | 34.3                    | 443.0                         | 88,200                                                             | 159,300*                             | 42.4                    | 468.5                         | 63,200                                                             | 141,600*                             | 49.1                    | 484.3                         | 38,400                                                             | 124,200*                             | 290                          |
| 300                          | 30.5                    | 426.8                         | 81,200                                                             | 150,900*                             | 39.2                    | 456.7                         | 57,200                                                             | 134,300*                             | 46.3                    | 475.0                         | 33,400                                                             | 117,400*                             | 300                          |
| 310                          | 26.0                    | 407.7                         | 74,400                                                             | 142,300*                             | 35.8                    | 443.3                         | 51,500                                                             | 127,300*                             | 43.4                    | 464.7                         | 28,600                                                             | 111,100*                             | 310                          |
| 320                          | 20.7                    | 383.8                         | 67,900                                                             | 132,800*                             | 32.1                    | 428.0                         | 46,200                                                             | 120,800*                             | 40.3                    | 453.3                         | 24,200                                                             | 105,200*                             | 320                          |
| 330                          | 13.5                    | 349.8                         | 61,400                                                             | 124,600*                             | 27.9                    | 410.2                         | 41,000                                                             | 114,500*                             | 37.0                    | 440.4                         | 19,900                                                             | 99,500*                              | 330                          |
| 340                          |                         |                               |                                                                    |                                      | 23.0                    | 388.5                         | 36,000                                                             | 108,600*                             | 33.4                    | 425.9                         | 15,900                                                             | 94,200*                              | 340                          |
| 350                          |                         |                               |                                                                    |                                      | 16.7                    | 359.7                         | 31,000                                                             | 102,700*                             | 29.4                    | 409.0                         | 11,900                                                             | 89,100*                              | 350                          |
| 360                          |                         |                               |                                                                    |                                      | 5.3                     | 305.0                         | 25,300                                                             | 96,500*                              | 24.7                    | 388.9                         | 8,100                                                              | 84,100*                              | 360                          |
| 370                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 19.1                    | 363.1                         | 4,300                                                              | 79,300*                              | 370                          |
| 380                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 10.8                    | 323.7                         | 200                                                                | 74,400*                              | 380                          |

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

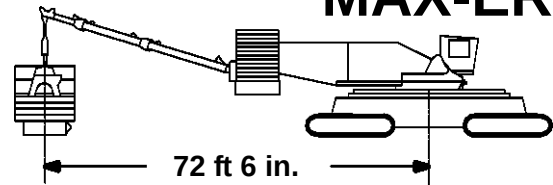
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 280.0 ft Boom, 300.0 ft Luffing Jib

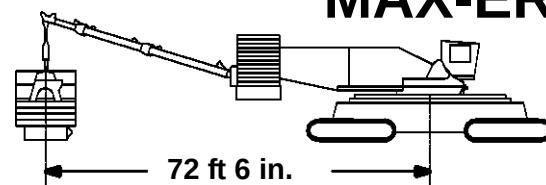
| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 185                          | 65.4                    | 559.1                         | 200,800                                                            | 241,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 64.3                    | 556.7                         | 192,100                                                            | 241,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 63.2                    | 554.2                         | 184,000                                                            | 241,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 62.2                    | 551.5                         | 176,300                                                            | 241,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 61.1                    | 548.7                         | 168,900                                                            | 241,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 60.0                    | 545.8                         | 162,000                                                            | 237,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 58.8                    | 542.8                         | 155,300                                                            | 230,300*                             | 64.1                    | 550.7                         | 119,300                                                            | 212,300*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 57.7                    | 539.6                         | 149,000                                                            | 223,400*                             | 63.0                    | 548.1                         | 113,900                                                            | 205,800*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 56.6                    | 536.3                         | 143,000                                                            | 216,300*                             | 61.9                    | 545.4                         | 108,700                                                            | 199,600*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 55.4                    | 532.9                         | 137,300                                                            | 209,200*                             | 60.8                    | 542.6                         | 103,800                                                            | 193,600*                             |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 54.2                    | 529.3                         | 131,700                                                            | 202,100*                             | 59.7                    | 539.7                         | 99,000                                                             | 187,900*                             |                         |                               |                                                                    |                                      | 235                          |
| 240                          | 53.0                    | 525.5                         | 126,500                                                            | 195,100*                             | 58.6                    | 536.6                         | 94,500                                                             | 182,400*                             |                         |                               |                                                                    |                                      | 240                          |
| 245                          | 51.8                    | 521.6                         | 121,400                                                            | 188,200*                             | 57.5                    | 533.4                         | 90,200                                                             | 177,100*                             |                         |                               |                                                                    |                                      | 245                          |
| 250                          | 50.6                    | 517.5                         | 116,600                                                            | 181,200*                             | 56.3                    | 530.1                         | 86,000                                                             | 172,000*                             |                         |                               |                                                                    |                                      | 250                          |
| 260                          | 48.0                    | 508.6                         | 107,500                                                            | 168,100*                             | 54.0                    | 523.0                         | 78,200                                                             | 162,400*                             | 59.4                    | 531.2                         | 49,400                                                             | 142,300*                             | 260                          |
| 270                          | 45.4                    | 499.0                         | 99,000                                                             | 155,300*                             | 51.6                    | 515.2                         | 71,000                                                             | 153,500*                             | 57.1                    | 524.8                         | 43,400                                                             | 134,200*                             | 270                          |
| 280                          | 42.6                    | 488.4                         | 91,100                                                             | 143,100*                             | 49.1                    | 506.7                         | 64,200                                                             | 145,200*                             | 54.8                    | 517.9                         | 37,700                                                             | 126,600*                             | 280                          |
| 290                          | 39.7                    | 476.7                         | 83,800                                                             | 131,500*                             | 46.5                    | 497.4                         | 57,900                                                             | 137,500*                             | 52.4                    | 510.3                         | 32,500                                                             | 119,500*                             | 290                          |
| 300                          | 36.5                    | 463.7                         | 76,900                                                             | 120,600*                             | 43.7                    | 487.2                         | 52,100                                                             | 130,200*                             | 49.9                    | 502.1                         | 27,500                                                             | 112,900*                             | 300                          |
| 310                          | 33.1                    | 449.0                         | 70,300                                                             | 110,400*                             | 40.9                    | 476.0                         | 46,500                                                             | 123,300*                             | 47.4                    | 493.1                         | 22,900                                                             | 106,700*                             | 310                          |
| 320                          | 29.4                    | 432.0                         | 64,200                                                             | 100,800*                             | 37.8                    | 463.5                         | 41,300                                                             | 116,900*                             | 44.7                    | 483.2                         | 18,600                                                             | 100,800*                             | 320                          |
| 330                          | 25.1                    | 412.1                         | 58,200                                                             | 91,900*                              | 34.5                    | 449.5                         | 36,300                                                             | 110,800*                             | 41.9                    | 472.4                         | 14,400                                                             | 95,300*                              | 330                          |
| 340                          | 20.0                    | 387.2                         | 52,500                                                             | 83,700*                              | 30.9                    | 433.5                         | 31,600                                                             | 105,000*                             | 38.9                    | 460.3                         | 10,500                                                             | 90,000*                              | 340                          |
| 350                          | 13.0                    | 352.0                         | 46,700                                                             | 76,600*                              | 26.9                    | 414.9                         | 27,000                                                             | 96,400*                              | 35.7                    | 446.9                         | 6,800                                                              | 85,000*                              | 350                          |
| 360                          |                         |                               |                                                                    |                                      | 22.2                    | 392.4                         | 22,600                                                             | 87,900*                              | 32.2                    | 431.6                         | 3,200                                                              | 80,200*                              | 360                          |
| 370                          |                         |                               |                                                                    |                                      | 16.1                    | 362.5                         | 18,100                                                             | 80,200*                              | 28.3                    | 414.0                         |                                                                    | 75,700*                              | 370                          |
| 380                          |                         |                               |                                                                    |                                      | 5.1                     | 305.8                         | 12,900                                                             | 74,400*                              | 23.9                    | 393.0                         |                                                                    | 71,300*                              | 380                          |
| 390                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 18.4                    | 366.3                         |                                                                    | 66,900*                              | 390                          |
| 400                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 10.4                    | 325.5                         |                                                                    | 62,500*                              | 400                          |



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 300.0 ft Boom, 120.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 105                          |                         |                               |                                                                    | c                                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 105                          |
| 110                          |                         |                               |                                                                    | c                                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          |                         |                               |                                                                    | c                                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 61.8                    | 411.7                         | 415,400                                                            | 511,500*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 59.0                    | 408.7                         | 393,900                                                            | 489,300*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 56.2                    | 405.3                         | 374,200                                                            | 468,700*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 53.2                    | 401.6                         | 355,900                                                            | 449,600*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 50.1                    | 397.4                         | 339,100                                                            | 431,800*b                            | 64.9                    | 408.9                         | 288,200                                                            | *                                    |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 46.8                    | 392.7                         | 323,300                                                            | 415,100*                             | 62.2                    | 406.2                         | 274,700                                                            | 382,200*b                            |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 43.3                    | 387.4                         | 308,600                                                            | 399,500*                             | 59.4                    | 403.2                         | 262,100                                                            | 367,800*b                            |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 39.6                    | 381.4                         | 294,800                                                            | 384,800*                             | 56.6                    | 399.9                         | 250,400                                                            | 354,400*b                            |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 35.5                    | 374.5                         | 281,800                                                            | 370,800*                             | 53.6                    | 396.2                         | 239,400                                                            | 341,700*b                            |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 31.0                    | 366.4                         | 269,400                                                            | 357,600*                             | 50.5                    | 392.1                         | 229,000                                                            | 329,700*b                            |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 25.7                    | 356.5                         | 257,600                                                            | 345,000*                             | 47.2                    | 387.4                         | 219,200                                                            | 318,400*b                            |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 18.9                    | 343.3                         | 245,900                                                            | 332,800*                             | 43.8                    | 382.2                         | 209,900                                                            | 307,700*                             | 59.5                    | 395.1                         | 171,300                                                            | 281,100*b                            | 175                          |
| 180                          | 6.6                     | 317.9                         | 233,100                                                            | 320,100*                             | 40.1                    | 376.4                         | 201,000                                                            | 297,500*                             | 56.6                    | 391.8                         | 163,900                                                            | 271,900*b                            | 180                          |
| 185                          |                         |                               |                                                                    |                                      | 36.1                    | 369.6                         | 192,600                                                            | 287,700*                             | 53.6                    | 388.1                         | 156,900                                                            | 263,000*b                            | 185                          |
| 190                          |                         |                               |                                                                    |                                      | 31.6                    | 361.7                         | 184,400                                                            | 278,400*                             | 50.5                    | 384.0                         | 150,300                                                            | 254,700*b                            | 190                          |
| 195                          |                         |                               |                                                                    |                                      | 26.5                    | 352.1                         | 176,500                                                            | 269,400*                             | 47.3                    | 379.4                         | 143,900                                                            | 246,600*b                            | 195                          |
| 200                          |                         |                               |                                                                    |                                      | 20.0                    | 339.5                         | 168,600                                                            | 260,500*                             | 43.8                    | 374.2                         | 137,800                                                            | 239,000*                             | 200                          |
| 205                          |                         |                               |                                                                    |                                      | 9.5                     | 318.0                         | 159,900                                                            | 251,400*                             | 40.2                    | 368.3                         | 132,000                                                            | 231,600*                             | 205                          |
| 210                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 36.2                    | 361.6                         | 126,300                                                            | 224,600*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 31.7                    | 353.7                         | 120,700                                                            | 217,700*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 26.5                    | 344.1                         | 115,200                                                            | 211,000*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 20.1                    | 331.5                         | 109,700                                                            | 204,400*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 9.7                     | 310.4                         | 103,300                                                            | 197,400*                             | 230                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

Do not luff into area indicated by (c)  
with 37,000 lb minimum weight  
(see CAUTION on page 1).

# Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

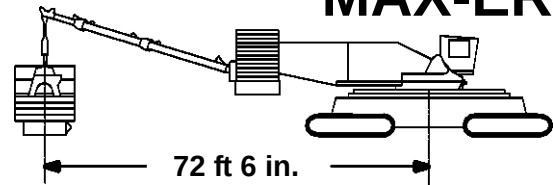
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 300.0 ft Boom, 140.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 115                          |                         |                               |                                                                    | <sup>c</sup>                         |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          | 66.2                    | 434.2                         | 411,000                                                            | 507,200* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 63.9                    | 431.8                         | 389,700                                                            | 485,200* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 61.6                    | 429.0                         | 370,100                                                            | 464,800* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 59.2                    | 426.0                         | 352,100                                                            | 445,800* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 56.7                    | 422.7                         | 335,400                                                            | 428,200* <sup>b</sup>                |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 54.2                    | 419.1                         | 319,900                                                            | 411,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 51.6                    | 415.1                         | 305,500                                                            | 396,200*                             | 64.2                    | 426.2                         | 256,600                                                            | 363,100* <sup>b</sup>                |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 48.9                    | 410.8                         | 292,000                                                            | 381,700*                             | 61.9                    | 423.5                         | 245,000                                                            | 349,800* <sup>b</sup>                |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 46.0                    | 406.0                         | 279,300                                                            | 368,100*                             | 59.5                    | 420.5                         | 234,200                                                            | 337,300* <sup>b</sup>                |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 43.0                    | 400.6                         | 267,400                                                            | 355,200*                             | 57.1                    | 417.3                         | 224,000                                                            | 325,500* <sup>b</sup>                |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 39.9                    | 394.7                         | 256,200                                                            | 343,100*                             | 54.5                    | 413.7                         | 214,500                                                            | 314,400* <sup>b</sup>                |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 36.4                    | 388.0                         | 245,600                                                            | 331,500*                             | 51.9                    | 409.8                         | 205,400                                                            | 303,800*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 32.7                    | 380.4                         | 235,400                                                            | 320,500*                             | 49.2                    | 405.5                         | 196,900                                                            | 293,800*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 28.5                    | 371.4                         | 225,700                                                            | 310,000*                             | 46.4                    | 400.7                         | 188,800                                                            | 284,300*                             | 59.5                    | 412.5                         | 151,000                                                            | 258,200* <sup>b</sup>                | 185                          |
| 190                          | 23.6                    | 360.6                         | 216,300                                                            | 299,800*                             | 43.5                    | 395.5                         | 181,100                                                            | 275,300*                             | 57.1                    | 409.2                         | 144,500                                                            | 250,000* <sup>b</sup>                | 190                          |
| 195                          | 17.4                    | 346.2                         | 207,000                                                            | 289,900*                             | 40.3                    | 389.6                         | 173,700                                                            | 266,700*                             | 54.6                    | 405.6                         | 138,400                                                            | 242,200* <sup>b</sup>                | 195                          |
| 200                          | 5.9                     | 318.7                         | 196,600                                                            | 279,600*                             | 36.9                    | 383.0                         | 166,700                                                            | 258,400*                             | 52.0                    | 401.7                         | 132,600                                                            | 234,700*                             | 200                          |
| 205                          |                         |                               |                                                                    |                                      | 33.2                    | 375.6                         | 159,900                                                            | 250,500*                             | 49.3                    | 397.4                         | 127,000                                                            | 227,500*                             | 205                          |
| 210                          |                         |                               |                                                                    |                                      | 29.1                    | 366.8                         | 153,300                                                            | 242,800*                             | 46.5                    | 392.7                         | 121,700                                                            | 220,700*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      | 24.4                    | 356.3                         | 146,800                                                            | 235,400*                             | 43.5                    | 387.4                         | 116,500                                                            | 214,100*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      | 18.4                    | 342.5                         | 140,300                                                            | 228,100*                             | 40.4                    | 381.6                         | 111,600                                                            | 207,800*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      | 8.6                     | 319.3                         | 133,100                                                            | 220,400*                             | 37.0                    | 375.0                         | 106,800                                                            | 201,700*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 33.3                    | 367.5                         | 102,100                                                            | 195,900*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 29.2                    | 358.8                         | 97,500                                                             | 190,100*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 24.4                    | 348.3                         | 93,000                                                             | 184,500*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 18.5                    | 334.6                         | 88,300                                                             | 178,900*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 8.8                     | 311.7                         | 82,900                                                             | 173,000*                             | 250                          |

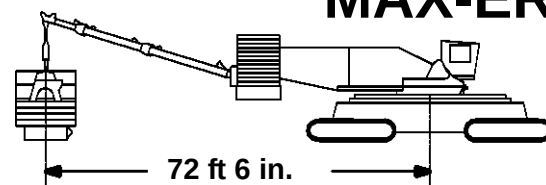
Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

Do not luff into area indicated by (c)  
with 37,000 lb minimum weight  
(see CAUTION on page 1).

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 300.0 ft Boom, 160.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 120                          | 69.3                    | 456.0                         | 407,800                                                            | 497,700*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 67.4                    | 453.9                         | 386,500                                                            | 481,900*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 65.4                    | 451.6                         | 367,000                                                            | 461,600*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 63.4                    | 449.1                         | 349,100                                                            | 442,800*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 61.4                    | 446.3                         | 332,500                                                            | 425,300*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 59.3                    | 443.4                         | 317,100                                                            | 408,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 57.1                    | 440.1                         | 302,800                                                            | 393,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 55.0                    | 436.6                         | 289,500                                                            | 379,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 52.7                    | 432.8                         | 277,000                                                            | 365,700*                             | 63.7                    | 443.5                         | 230,200                                                            | 333,900*b                            |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 50.4                    | 428.6                         | 265,300                                                            | 353,000*                             | 61.6                    | 440.8                         | 220,200                                                            | 322,200*b                            |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 48.0                    | 424.1                         | 254,300                                                            | 340,900*                             | 59.6                    | 437.9                         | 210,800                                                            | 311,200*b                            |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 45.5                    | 419.2                         | 243,900                                                            | 329,600*                             | 57.4                    | 434.7                         | 201,900                                                            | 300,700*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 42.8                    | 413.8                         | 234,100                                                            | 318,800*                             | 55.3                    | 431.2                         | 193,500                                                            | 290,900*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 40.1                    | 407.9                         | 224,800                                                            | 308,500*                             | 53.0                    | 427.4                         | 185,600                                                            | 281,500*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 37.1                    | 401.4                         | 215,900                                                            | 298,800*                             | 50.7                    | 423.3                         | 178,100                                                            | 272,600*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 33.9                    | 394.1                         | 207,400                                                            | 289,500*                             | 48.3                    | 418.9                         | 170,900                                                            | 264,100*                             | 59.6                    | 429.8                         | 134,100                                                            | 238,700*b                            | 195                          |
| 200                          | 30.5                    | 385.8                         | 199,300                                                            | 280,500*                             | 45.8                    | 414.0                         | 164,100                                                            | 256,000*                             | 57.5                    | 426.6                         | 128,400                                                            | 231,300*                             | 200                          |
| 205                          | 26.6                    | 376.1                         | 191,400                                                            | 271,900*                             | 43.2                    | 408.7                         | 157,600                                                            | 248,300*                             | 55.3                    | 423.1                         | 123,000                                                            | 224,300*                             | 205                          |
| 210                          | 22.0                    | 364.4                         | 183,800                                                            | 263,600*                             | 40.5                    | 402.9                         | 151,400                                                            | 240,900*                             | 53.0                    | 419.3                         | 117,900                                                            | 217,600*                             | 210                          |
| 215                          | 16.2                    | 348.9                         | 176,100                                                            | 255,500*                             | 37.5                    | 396.4                         | 145,400                                                            | 233,800*                             | 50.7                    | 415.2                         | 112,900                                                            | 211,100*                             | 215                          |
| 220                          | 5.4                     | 319.4                         | 167,500                                                            | 246,800*                             | 34.4                    | 389.2                         | 139,600                                                            | 227,000*                             | 48.3                    | 410.8                         | 108,200                                                            | 205,000*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      | 31.0                    | 381.0                         | 134,000                                                            | 220,400*                             | 45.8                    | 406.0                         | 103,600                                                            | 199,100*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      | 27.1                    | 371.6                         | 128,600                                                            | 214,000*                             | 43.2                    | 400.6                         | 99,200                                                             | 193,400*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      | 22.7                    | 360.2                         | 123,200                                                            | 207,800*                             | 40.5                    | 394.8                         | 95,000                                                             | 187,900*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      | 17.1                    | 345.4                         | 117,700                                                            | 201,600*                             | 37.6                    | 388.4                         | 90,900                                                             | 182,600*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      | 8.0                     | 320.5                         | 111,600                                                            | 195,100*                             | 34.4                    | 381.2                         | 86,900                                                             | 177,500*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 31.0                    | 373.0                         | 82,900                                                             | 172,500*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 22.7                    | 352.3                         | 75,200                                                             | 162,900*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 8.2                     | 312.9                         | 66,600                                                             | 153,000*                             | 270                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

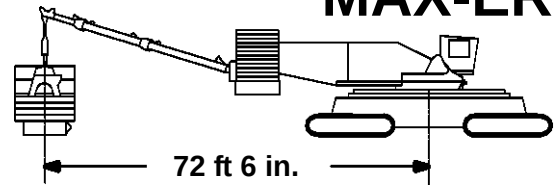
# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 300.0 ft Boom, 180.0 ft Luffing Jib

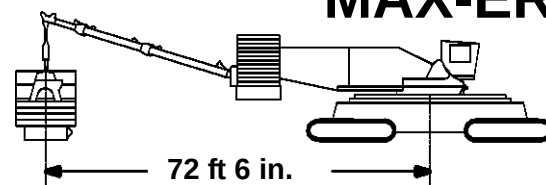
| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 125                          | 70.0                    | 475.5                         | 381,300                                                            | 449,100 <b>b</b>                     |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 68.3                    | 473.5                         | 361,900                                                            | 449,100 <b>b</b>                     |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 66.6                    | 471.4                         | 344,000                                                            | 438,200 <b>b</b>                     |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 64.8                    | 469.0                         | 327,500                                                            | 420,800 <b>b</b>                     |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 63.0                    | 466.4                         | 312,200                                                            | 404,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 61.2                    | 463.6                         | 298,000                                                            | 389,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 59.4                    | 460.7                         | 284,800                                                            | 375,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 57.5                    | 457.5                         | 272,400                                                            | 361,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 55.5                    | 454.0                         | 260,800                                                            | 349,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 53.6                    | 450.3                         | 249,900                                                            | 337,000*                             | 63.3                    | 460.9                         | 204,800                                                            | 306,300*                             |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 51.5                    | 446.4                         | 239,700                                                            | 325,800*                             | 61.5                    | 458.1                         | 196,100                                                            | 295,900*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 49.4                    | 442.1                         | 230,000                                                            | 315,100*                             | 59.6                    | 455.2                         | 187,800                                                            | 286,200*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 47.3                    | 437.5                         | 220,800                                                            | 305,000*                             | 57.7                    | 452.0                         | 180,000                                                            | 276,900*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 45.0                    | 432.5                         | 212,100                                                            | 295,400*                             | 55.8                    | 448.6                         | 172,600                                                            | 268,100*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 42.7                    | 427.1                         | 203,900                                                            | 286,200*                             | 53.8                    | 444.9                         | 165,600                                                            | 259,700*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 40.2                    | 421.2                         | 196,000                                                            | 277,500*                             | 51.8                    | 441.0                         | 158,900                                                            | 251,700*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 37.6                    | 414.8                         | 188,500                                                            | 269,100*                             | 49.7                    | 436.8                         | 152,600                                                            | 244,100*                             | 59.6                    | 447.1                         | 116,600                                                            | 219,200*                             | 205                          |
| 210                          | 34.9                    | 407.7                         | 181,400                                                            | 261,100*                             | 47.6                    | 432.2                         | 146,500                                                            | 236,900*                             | 57.8                    | 443.9                         | 111,600                                                            | 212,600*                             | 210                          |
| 215                          | 31.9                    | 399.8                         | 174,500                                                            | 253,500*                             | 45.3                    | 427.3                         | 140,700                                                            | 229,900*                             | 55.8                    | 440.5                         | 106,800                                                            | 206,300*                             | 215                          |
| 220                          | 28.6                    | 390.8                         | 167,800                                                            | 246,100*                             | 43.0                    | 421.9                         | 135,200                                                            | 223,200*                             | 53.9                    | 436.9                         | 102,200                                                            | 200,200*                             | 220                          |
| 225                          | 25.0                    | 380.4                         | 161,300                                                            | 238,900*                             | 40.6                    | 416.1                         | 129,800                                                            | 216,800*                             | 51.8                    | 432.9                         | 97,800                                                             | 194,400*                             | 225                          |
| 230                          | 20.7                    | 367.9                         | 155,000                                                            | 232,000*                             | 38.0                    | 409.8                         | 124,700                                                            | 210,700*                             | 49.7                    | 428.7                         | 93,500                                                             | 188,800*                             | 230                          |
| 235                          | 15.2                    | 351.4                         | 148,600                                                            | 225,100*                             | 35.3                    | 402.8                         | 119,700                                                            | 204,700*                             | 47.6                    | 424.1                         | 89,500                                                             | 183,500*                             | 235                          |
| 240                          | 5.1                     | 320.0                         | 141,200                                                            | 217,700*                             | 32.3                    | 395.0                         | 114,900                                                            | 199,000*                             | 45.4                    | 419.2                         | 85,500                                                             | 178,300*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      | 29.1                    | 386.2                         | 110,300                                                            | 193,400*                             | 43.0                    | 413.9                         | 81,700                                                             | 173,300*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      | 25.5                    | 376.0                         | 105,700                                                            | 188,000*                             | 40.6                    | 408.1                         | 78,100                                                             | 168,500*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      | 16.0                    | 348.1                         | 96,500                                                             | 177,500*                             | 35.3                    | 394.7                         | 71,100                                                             | 159,400*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 29.1                    | 378.2                         | 64,400                                                             | 150,800*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 21.4                    | 355.9                         | 57,800                                                             | 142,500*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 7.6                     | 314.1                         | 50,300                                                             | 133,900*                             | 290                          |

Capacities indicated by **(b)** require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 300.0 ft Boom, 200.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 140                          | 67.5                    | 491.0                         | 325,400                                                            | 390,400*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 65.9                    | 488.8                         | 310,000                                                            | 390,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 64.3                    | 486.3                         | 295,700                                                            | 385,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 62.7                    | 483.8                         | 282,400                                                            | 371,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 61.1                    | 481.0                         | 270,000                                                            | 358,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 59.4                    | 478.0                         | 258,400                                                            | 345,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 57.7                    | 474.8                         | 247,500                                                            | 333,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 56.0                    | 471.5                         | 237,200                                                            | 322,700*                             | 64.6                    | 480.8                         | 192,400                                                            | 292,200*                             |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 54.2                    | 467.8                         | 227,600                                                            | 312,100*                             | 63.0                    | 478.2                         | 184,200                                                            | 282,500*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 52.4                    | 464.0                         | 218,400                                                            | 302,100*                             | 61.3                    | 475.5                         | 176,400                                                            | 273,300*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 50.6                    | 459.9                         | 209,800                                                            | 292,600*                             | 59.7                    | 472.5                         | 169,000                                                            | 264,600*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 48.7                    | 455.5                         | 201,600                                                            | 283,500*                             | 58.0                    | 469.4                         | 162,100                                                            | 256,300*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 46.7                    | 450.8                         | 193,800                                                            | 274,800*                             | 56.2                    | 466.0                         | 155,400                                                            | 248,400*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 44.7                    | 445.7                         | 186,400                                                            | 266,600*                             | 54.5                    | 462.4                         | 149,100                                                            | 240,800*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 42.5                    | 440.3                         | 179,400                                                            | 258,700*                             | 52.7                    | 458.6                         | 143,200                                                            | 233,600*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 40.3                    | 434.4                         | 172,600                                                            | 251,200*                             | 50.8                    | 454.5                         | 137,400                                                            | 226,800*                             | 59.7                    | 464.4                         | 102,400                                                            | 202,500*                             | 215                          |
| 220                          | 38.0                    | 428.1                         | 166,100                                                            | 244,000*                             | 48.9                    | 450.2                         | 132,000                                                            | 220,200*                             | 58.0                    | 461.3                         | 97,900                                                             | 196,500*                             | 220                          |
| 225                          | 35.6                    | 421.2                         | 159,900                                                            | 237,000*                             | 47.0                    | 445.5                         | 126,700                                                            | 213,900*                             | 56.3                    | 458.0                         | 93,600                                                             | 190,800*                             | 225                          |
| 230                          | 33.0                    | 413.6                         | 154,000                                                            | 230,100*                             | 44.9                    | 440.5                         | 121,700                                                            | 207,800*                             | 54.5                    | 454.4                         | 89,400                                                             | 185,300*                             | 230                          |
| 235                          | 30.2                    | 405.1                         | 148,200                                                            | 221,900*                             | 42.8                    | 435.1                         | 116,900                                                            | 202,000*                             | 52.7                    | 450.5                         | 85,400                                                             | 180,000*                             | 235                          |
| 240                          | 27.1                    | 395.6                         | 142,600                                                            | 214,200*                             | 40.6                    | 429.4                         | 112,200                                                            | 196,400*                             | 50.9                    | 446.5                         | 81,600                                                             | 174,900*                             | 240                          |
| 245                          | 23.6                    | 384.5                         | 137,100                                                            | 207,000*                             | 38.3                    | 423.1                         | 107,800                                                            | 191,000*                             | 49.0                    | 442.1                         | 77,900                                                             | 170,000*                             | 245                          |
| 250                          | 19.5                    | 371.3                         | 131,700                                                            | 200,600*                             | 35.9                    | 416.2                         | 103,400                                                            | 185,800*                             | 47.0                    | 437.5                         | 74,300                                                             | 165,300*                             | 250                          |
| 260                          | 4.7                     | 320.7                         | 119,900                                                            | 191,300*                             | 30.6                    | 400.4                         | 95,100                                                             | 175,800*                             | 42.9                    | 427.1                         | 67,600                                                             | 156,400*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      | 24.1                    | 380.2                         | 87,200                                                             | 166,500*                             | 38.4                    | 415.0                         | 61,200                                                             | 148,100*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      | 15.2                    | 350.7                         | 79,300                                                             | 157,300*                             | 33.4                    | 400.7                         | 55,200                                                             | 140,200*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 27.6                    | 383.0                         | 49,400                                                             | 132,800*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 20.2                    | 359.4                         | 43,700                                                             | 125,500*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 7.2                     | 315.1                         | 37,100                                                             | 118,000*                             | 310                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

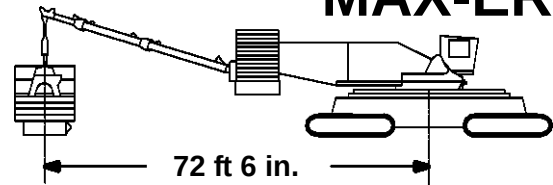
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



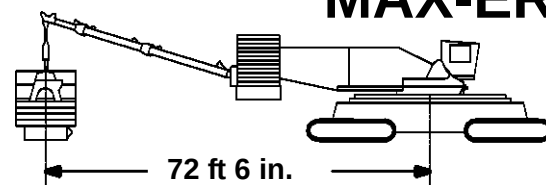
## 300.0 ft Boom, 220.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 150                          | 66.8                    | 508.5                         | 290,400                                                            | 356,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 65.4                    | 506.1                         | 277,100                                                            | 355,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 64.0                    | 503.7                         | 264,800                                                            | 349,500*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 62.5                    | 501.1                         | 253,200                                                            | 341,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 61.0                    | 498.3                         | 242,400                                                            | 329,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 59.5                    | 495.3                         | 232,200                                                            | 318,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 57.9                    | 492.2                         | 222,600                                                            | 307,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 56.4                    | 488.9                         | 213,500                                                            | 297,900*                             | 64.2                    | 498.1                         | 170,300                                                            | 268,400*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 54.8                    | 485.3                         | 204,900                                                            | 288,400*                             | 62.7                    | 495.5                         | 163,000                                                            | 259,700*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 53.2                    | 481.5                         | 196,800                                                            | 279,400*                             | 61.2                    | 492.8                         | 156,100                                                            | 251,500*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 51.5                    | 477.6                         | 189,100                                                            | 270,900*                             | 59.7                    | 489.8                         | 149,600                                                            | 243,600*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 49.8                    | 473.3                         | 181,800                                                            | 262,700*                             | 58.2                    | 486.7                         | 143,300                                                            | 236,100*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 48.0                    | 468.8                         | 174,800                                                            | 254,900*                             | 56.6                    | 483.4                         | 137,400                                                            | 229,000*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 46.2                    | 464.1                         | 168,200                                                            | 247,400*                             | 55.0                    | 479.9                         | 131,800                                                            | 222,200*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 44.4                    | 459.0                         | 161,800                                                            | 240,300*                             | 53.4                    | 476.2                         | 126,400                                                            | 215,700*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 42.4                    | 453.5                         | 155,800                                                            | 233,400*                             | 51.7                    | 472.2                         | 121,200                                                            | 209,400*                             | 59.7                    | 481.8                         | 87,100                                                             | 185,700*                             | 225                          |
| 230                          | 40.4                    | 447.7                         | 149,900                                                            | 226,900*                             | 50.0                    | 468.0                         | 116,300                                                            | 203,500*                             | 58.2                    | 478.6                         | 83,000                                                             | 180,300*                             | 230                          |
| 235                          | 38.4                    | 441.4                         | 144,300                                                            | 219,700*                             | 48.3                    | 463.6                         | 111,600                                                            | 197,700*                             | 56.6                    | 475.3                         | 79,100                                                             | 175,000*                             | 235                          |
| 240                          | 36.2                    | 434.6                         | 139,000                                                            | 212,000*                             | 46.5                    | 458.8                         | 107,100                                                            | 192,200*                             | 55.0                    | 471.8                         | 75,300                                                             | 170,000*                             | 240                          |
| 245                          | 33.8                    | 427.2                         | 133,800                                                            | 204,600*                             | 44.6                    | 453.8                         | 102,700                                                            | 186,900*                             | 53.4                    | 468.1                         | 71,700                                                             | 165,200*                             | 245                          |
| 250                          | 31.4                    | 419.1                         | 128,700                                                            | 197,600*                             | 42.7                    | 448.4                         | 98,500                                                             | 181,800*                             | 51.7                    | 464.2                         | 68,300                                                             | 160,600*                             | 250                          |
| 260                          | 25.8                    | 400.1                         | 119,100                                                            | 184,700*                             | 38.6                    | 436.4                         | 90,500                                                             | 172,100*                             | 48.3                    | 455.5                         | 61,700                                                             | 151,800*                             | 260                          |
| 270                          | 18.6                    | 374.4                         | 109,800                                                            | 173,800*                             | 34.2                    | 422.4                         | 83,100                                                             | 163,000*                             | 44.7                    | 445.7                         | 55,600                                                             | 143,600*                             | 270                          |
| 280                          | 4.5                     | 321.3                         | 99,600                                                             | 166,400*                             | 29.1                    | 405.6                         | 76,000                                                             | 154,400*                             | 40.7                    | 434.5                         | 49,900                                                             | 136,000*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      | 22.9                    | 384.2                         | 69,200                                                             | 146,300*                             | 36.5                    | 421.6                         | 44,500                                                             | 128,800*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      | 14.4                    | 353.1                         | 62,300                                                             | 138,300*                             | 31.7                    | 406.4                         | 39,300                                                             | 122,000*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 26.2                    | 387.7                         | 34,300                                                             | 115,500*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 19.2                    | 362.7                         | 29,200                                                             | 109,100*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 6.8                     | 316.2                         | 23,400                                                             | 102,400*                             | 330                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 300.0 ft Boom, 240.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 160                          | 66.3                    | 525.9                         | 260,200                                                            | 320,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 65.0                    | 523.5                         | 248,700                                                            | 319,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 63.6                    | 521.0                         | 237,900                                                            | 313,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 62.3                    | 518.4                         | 227,700                                                            | 307,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 60.9                    | 515.6                         | 218,100                                                            | 301,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 59.5                    | 512.7                         | 209,100                                                            | 294,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 58.1                    | 509.5                         | 200,600                                                            | 284,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 56.7                    | 506.2                         | 192,500                                                            | 275,800*                             | 63.8                    | 515.5                         | 151,000                                                            | 247,400*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 55.2                    | 502.8                         | 184,800                                                            | 267,300*                             | 62.5                    | 512.9                         | 144,500                                                            | 239,600*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 53.8                    | 499.1                         | 177,500                                                            | 259,100*                             | 61.1                    | 510.1                         | 138,300                                                            | 232,100*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 52.2                    | 495.2                         | 170,600                                                            | 251,400*                             | 59.7                    | 507.2                         | 132,400                                                            | 225,000*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 50.7                    | 491.1                         | 164,000                                                            | 244,000*                             | 58.3                    | 504.1                         | 126,900                                                            | 218,300*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 49.1                    | 486.8                         | 157,700                                                            | 236,900*                             | 56.9                    | 500.8                         | 121,500                                                            | 211,800*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 47.5                    | 482.2                         | 151,700                                                            | 230,100*                             | 55.4                    | 497.3                         | 116,400                                                            | 205,600*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 45.8                    | 477.4                         | 146,000                                                            | 223,600*                             | 54.0                    | 493.7                         | 111,500                                                            | 199,600*                             |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 44.1                    | 472.2                         | 140,400                                                            | 217,300*                             | 52.4                    | 489.8                         | 106,900                                                            | 193,900*                             | 59.7                    | 499.1                         | 73,700                                                             | 170,900*                             | 235                          |
| 240                          | 42.4                    | 466.7                         | 135,200                                                            | 211,200*                             | 50.9                    | 485.8                         | 102,400                                                            | 188,500*                             | 58.3                    | 496.0                         | 70,000                                                             | 165,900*                             | 240                          |
| 245                          | 40.5                    | 460.9                         | 130,100                                                            | 204,200*                             | 49.3                    | 481.5                         | 98,100                                                             | 183,200*                             | 56.9                    | 492.7                         | 66,500                                                             | 161,100*                             | 245                          |
| 250                          | 38.6                    | 454.7                         | 125,200                                                            | 197,400*                             | 47.7                    | 476.9                         | 94,000                                                             | 178,100*                             | 55.5                    | 489.3                         | 63,100                                                             | 156,500*                             | 250                          |
| 260                          | 34.5                    | 440.8                         | 115,900                                                            | 184,600*                             | 44.4                    | 467.0                         | 86,200                                                             | 168,500*                             | 52.5                    | 481.8                         | 56,600                                                             | 147,800*                             | 260                          |
| 270                          | 30.0                    | 424.5                         | 107,200                                                            | 173,000*                             | 40.8                    | 455.8                         | 78,900                                                             | 159,600*                             | 49.4                    | 473.4                         | 50,700                                                             | 139,800*                             | 270                          |
| 280                          | 24.6                    | 404.4                         | 98,900                                                             | 162,600*                             | 36.9                    | 443.0                         | 72,100                                                             | 151,300*                             | 46.1                    | 464.1                         | 45,100                                                             | 132,200*                             | 280                          |
| 290                          | 17.7                    | 377.5                         | 90,900                                                             | 153,800*                             | 32.6                    | 428.2                         | 65,600                                                             | 143,400*                             | 42.6                    | 453.5                         | 39,800                                                             | 125,100*                             | 290                          |
| 300                          | 4.2                     | 321.9                         | 81,800                                                             | 148,300*                             | 27.8                    | 410.5                         | 59,500                                                             | 136,000*                             | 38.9                    | 441.6                         | 34,900                                                             | 118,500*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      | 21.9                    | 388.0                         | 53,500                                                             | 128,800*                             | 34.9                    | 427.9                         | 30,200                                                             | 112,200*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      | 13.7                    | 355.4                         | 47,400                                                             | 121,800*                             | 30.3                    | 411.8                         | 25,600                                                             | 106,200*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 25.0                    | 392.0                         | 21,200                                                             | 100,500*                             | 330                          |
| 340                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 18.3                    | 365.9                         | 16,800                                                             | 94,900*                              | 340                          |
| 350                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 6.5                     | 317.2                         | 11,600                                                             | 88,900*                              | 350                          |

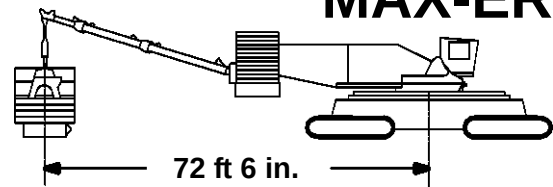
# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 300.0 ft Boom, 260.0 ft Luffing Jib

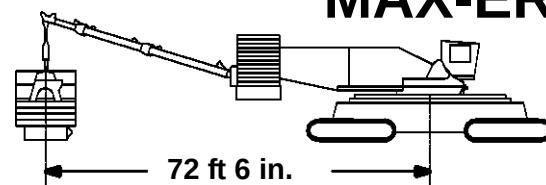
| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 170                          | 65.8                    | 543.3                         | 232,500                                                            | 284,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 64.6                    | 540.9                         | 222,400                                                            | 284,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 63.4                    | 538.4                         | 212,900                                                            | 281,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 62.1                    | 535.7                         | 203,900                                                            | 276,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 60.8                    | 532.9                         | 195,400                                                            | 271,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 59.6                    | 530.0                         | 187,300                                                            | 265,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 58.3                    | 526.9                         | 179,700                                                            | 259,300*                             | 64.8                    | 535.3                         | 138,400                                                            | 234,700*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 56.9                    | 523.6                         | 172,500                                                            | 253,100*                             | 63.5                    | 532.8                         | 132,300                                                            | 227,300*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 55.6                    | 520.2                         | 165,600                                                            | 246,700*                             | 62.3                    | 530.2                         | 126,400                                                            | 220,200*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 54.3                    | 516.6                         | 159,100                                                            | 239,800*                             | 61.0                    | 527.4                         | 120,900                                                            | 213,500*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 52.9                    | 512.8                         | 152,800                                                            | 232,800*                             | 59.7                    | 524.5                         | 115,600                                                            | 207,100*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 51.5                    | 508.8                         | 146,900                                                            | 226,000*                             | 58.4                    | 521.4                         | 110,600                                                            | 200,900*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 50.0                    | 504.6                         | 141,200                                                            | 219,600*                             | 57.1                    | 518.2                         | 105,800                                                            | 195,000*                             |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 48.6                    | 500.2                         | 135,700                                                            | 213,400*                             | 55.8                    | 514.8                         | 101,200                                                            | 189,400*                             |                         |                               |                                                                    |                                      | 235                          |
| 240                          | 47.0                    | 495.5                         | 130,500                                                            | 207,200*                             | 54.4                    | 511.2                         | 96,800                                                             | 184,000*                             |                         |                               |                                                                    |                                      | 240                          |
| 245                          | 45.5                    | 490.6                         | 125,500                                                            | 200,800*                             | 53.1                    | 507.4                         | 92,500                                                             | 178,700*                             | 59.8                    | 516.4                         | 60,000                                                             | 156,100*                             | 245                          |
| 250                          | 43.9                    | 485.5                         | 120,600                                                            | 194,500*                             | 51.7                    | 503.4                         | 88,500                                                             | 173,700*                             | 58.5                    | 513.3                         | 56,700                                                             | 151,600*                             | 250                          |
| 260                          | 40.6                    | 474.1                         | 111,500                                                            | 182,500*                             | 48.8                    | 494.9                         | 80,800                                                             | 164,200*                             | 55.8                    | 506.7                         | 50,400                                                             | 143,000*                             | 260                          |
| 270                          | 37.0                    | 461.4                         | 103,000                                                            | 171,200*                             | 45.7                    | 485.4                         | 73,700                                                             | 155,400*                             | 53.1                    | 499.3                         | 44,500                                                             | 135,000*                             | 270                          |
| 280                          | 33.1                    | 446.7                         | 95,100                                                             | 160,900*                             | 42.5                    | 474.8                         | 67,000                                                             | 147,200*                             | 50.2                    | 491.2                         | 39,100                                                             | 127,600*                             | 280                          |
| 290                          | 28.7                    | 429.5                         | 87,600                                                             | 151,200*                             | 39.1                    | 462.9                         | 60,800                                                             | 139,500*                             | 47.3                    | 482.2                         | 34,000                                                             | 120,600*                             | 290                          |
| 300                          | 23.6                    | 408.5                         | 80,400                                                             | 142,700*                             | 35.4                    | 449.4                         | 54,900                                                             | 132,200*                             | 44.2                    | 472.2                         | 29,200                                                             | 114,100*                             | 300                          |
| 310                          | 17.0                    | 380.4                         | 73,400                                                             | 135,500*                             | 31.3                    | 433.8                         | 49,300                                                             | 125,300*                             | 40.9                    | 461.0                         | 24,700                                                             | 107,900*                             | 310                          |
| 320                          | 4.0                     | 322.4                         | 65,400                                                             | 131,100*                             | 26.6                    | 415.1                         | 43,900                                                             | 118,800*                             | 37.3                    | 448.4                         | 20,400                                                             | 102,100*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      | 21.0                    | 391.7                         | 38,700                                                             | 112,500*                             | 33.4                    | 433.9                         | 16,300                                                             | 96,600*                              | 330                          |
| 340                          |                         |                               |                                                                    |                                      | 13.2                    | 357.6                         | 33,300                                                             | 106,300*                             | 29.1                    | 416.9                         | 12,300                                                             | 91,300*                              | 340                          |
| 350                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 24.0                    | 396.2                         | 8,400                                                              | 86,200*                              | 350                          |
| 360                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 17.6                    | 368.9                         | 4,500                                                              | 81,200*                              | 360                          |
| 370                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 6.2                     | 318.1                         |                                                                    | 75,800*                              | 370                          |



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 300.0 ft Boom, 280.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 180                          | 65.4                    | 560.7                         | 208,600                                                            | 252,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 64.3                    | 558.3                         | 199,700                                                            | 252,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 63.1                    | 555.7                         | 191,200                                                            | 252,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 62.0                    | 553.0                         | 183,200                                                            | 248,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 60.8                    | 550.2                         | 175,600                                                            | 244,400*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 59.6                    | 547.3                         | 168,400                                                            | 239,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 58.4                    | 544.2                         | 161,500                                                            | 234,800*                             | 64.4                    | 552.7                         | 121,700                                                            | 216,400*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 57.2                    | 541.0                         | 155,000                                                            | 229,600*                             | 63.3                    | 550.2                         | 116,200                                                            | 209,700*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 55.9                    | 537.6                         | 148,800                                                            | 224,200*                             | 62.1                    | 547.5                         | 111,000                                                            | 203,300*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 54.7                    | 534.0                         | 142,900                                                            | 218,700*                             | 60.9                    | 544.7                         | 106,000                                                            | 197,200*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 53.4                    | 530.3                         | 137,200                                                            | 213,200*                             | 59.8                    | 541.8                         | 101,200                                                            | 191,400*                             |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 52.1                    | 526.4                         | 131,800                                                            | 207,600*                             | 58.6                    | 538.7                         | 96,600                                                             | 185,700*                             |                         |                               |                                                                    |                                      | 235                          |
| 240                          | 50.8                    | 522.3                         | 126,600                                                            | 201,900*                             | 57.3                    | 535.5                         | 92,200                                                             | 180,300*                             |                         |                               |                                                                    |                                      | 240                          |
| 245                          | 49.4                    | 518.1                         | 121,600                                                            | 196,300*                             | 56.1                    | 532.2                         | 88,000                                                             | 175,200*                             |                         |                               |                                                                    |                                      | 245                          |
| 250                          | 48.1                    | 513.6                         | 116,800                                                            | 190,600*                             | 54.9                    | 528.6                         | 84,000                                                             | 170,200*                             |                         |                               |                                                                    |                                      | 250                          |
| 260                          | 45.2                    | 503.9                         | 107,800                                                            | 179,800*                             | 52.3                    | 521.1                         | 76,400                                                             | 160,800*                             | 58.6                    | 530.7                         | 45,500                                                             | 139,100*                             | 260                          |
| 270                          | 42.2                    | 493.2                         | 99,500                                                             | 169,300*                             | 49.6                    | 512.8                         | 69,400                                                             | 152,000*                             | 56.1                    | 524.1                         | 39,700                                                             | 131,200*                             | 270                          |
| 280                          | 39.0                    | 481.2                         | 91,700                                                             | 159,200*                             | 46.9                    | 503.6                         | 62,800                                                             | 143,900*                             | 53.6                    | 516.9                         | 34,400                                                             | 123,900*                             | 280                          |
| 290                          | 35.6                    | 467.8                         | 84,300                                                             | 149,800*                             | 43.9                    | 493.5                         | 56,700                                                             | 136,200*                             | 51.0                    | 508.9                         | 29,400                                                             | 117,000*                             | 290                          |
| 300                          | 31.9                    | 452.4                         | 77,500                                                             | 141,100*                             | 40.9                    | 482.3                         | 51,000                                                             | 129,100*                             | 48.3                    | 500.2                         | 24,700                                                             | 110,500*                             | 300                          |
| 310                          | 27.6                    | 434.4                         | 70,900                                                             | 133,300*                             | 37.6                    | 469.7                         | 45,500                                                             | 122,300*                             | 45.4                    | 490.6                         | 20,200                                                             | 104,400*                             | 310                          |
| 320                          | 22.7                    | 412.5                         | 64,600                                                             | 126,300*                             | 34.0                    | 455.5                         | 40,400                                                             | 116,000*                             | 42.5                    | 480.0                         | 16,100                                                             | 98,700*                              | 320                          |
| 330                          | 16.4                    | 383.2                         | 58,400                                                             | 120,500*                             | 30.1                    | 439.1                         | 35,500                                                             | 109,900*                             | 39.3                    | 468.2                         | 12,100                                                             | 93,300*                              | 330                          |
| 340                          | 3.8                     | 322.9                         | 51,300                                                             | 117,000*                             | 25.6                    | 419.6                         | 30,800                                                             | 104,100*                             | 35.9                    | 454.8                         | 8,300                                                              | 88,200*                              | 340                          |
| 350                          |                         |                               |                                                                    |                                      | 20.2                    | 395.2                         | 26,100                                                             | 98,500*                              | 32.1                    | 439.6                         | 4,700                                                              | 83,200*                              | 350                          |
| 360                          |                         |                               |                                                                    |                                      | 12.7                    | 359.7                         | 21,300                                                             | 93,000*                              | 28.0                    | 421.9                         | 1,200                                                              | 78,500*                              | 360                          |
| 370                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 23.1                    | 400.3                         |                                                                    | 74,000*                              | 370                          |
| 380                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 16.9                    | 371.8                         |                                                                    | 69,500*                              | 380                          |
| 390                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 5.9                     | 319.0                         |                                                                    | 64,600*                              | 390                          |

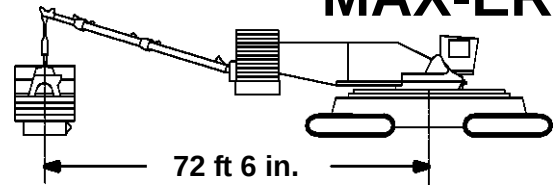
# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



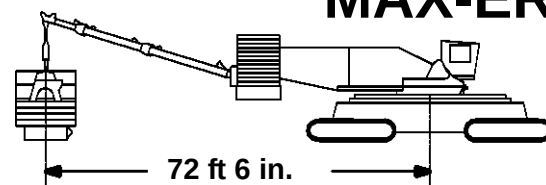
## 300.0 ft Boom, 300.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 190                          | 65.0                    | 578.1                         | 185,800                                                            | 224,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 64.0                    | 575.6                         | 177,900                                                            | 224,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 62.9                    | 573.1                         | 170,300                                                            | 224,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 61.8                    | 570.4                         | 163,100                                                            | 223,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 60.7                    | 567.6                         | 156,300                                                            | 220,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 59.6                    | 564.6                         | 149,800                                                            | 216,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 58.5                    | 561.5                         | 143,600                                                            | 212,200*                             | 64.1                    | 570.1                         | 104,900                                                            | 198,500*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 57.4                    | 558.3                         | 137,700                                                            | 207,900*                             | 63.1                    | 567.5                         | 99,900                                                             | 192,400*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 56.2                    | 555.0                         | 132,100                                                            | 203,400*                             | 62.0                    | 564.8                         | 95,200                                                             | 186,600*                             |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 55.0                    | 551.5                         | 126,700                                                            | 198,800*                             | 60.9                    | 562.0                         | 90,700                                                             | 181,000*                             |                         |                               |                                                                    |                                      | 235                          |
| 240                          | 53.9                    | 547.8                         | 121,600                                                            | 194,100*                             | 59.8                    | 559.1                         | 86,400                                                             | 175,700*                             |                         |                               |                                                                    |                                      | 240                          |
| 245                          | 52.7                    | 544.0                         | 116,600                                                            | 189,500*                             | 58.7                    | 556.1                         | 82,200                                                             | 170,500*                             |                         |                               |                                                                    |                                      | 245                          |
| 250                          | 51.4                    | 540.0                         | 111,900                                                            | 184,400*                             | 57.5                    | 552.9                         | 78,200                                                             | 165,600*                             |                         |                               |                                                                    |                                      | 250                          |
| 260                          | 48.9                    | 531.5                         | 102,900                                                            | 171,500*                             | 55.2                    | 546.1                         | 70,700                                                             | 156,300*                             |                         |                               |                                                                    |                                      | 260                          |
| 270                          | 46.3                    | 522.2                         | 94,700                                                             | 158,800*                             | 52.8                    | 538.6                         | 63,800                                                             | 147,600*                             | 58.7                    | 548.0                         | 33,400                                                             | 126,300*                             | 270                          |
| 280                          | 43.6                    | 511.9                         | 87,000                                                             | 146,800*                             | 50.4                    | 530.5                         | 57,300                                                             | 139,500*                             | 56.4                    | 541.5                         | 28,100                                                             | 119,000*                             | 280                          |
| 290                          | 40.7                    | 500.6                         | 79,800                                                             | 135,300*                             | 47.8                    | 521.7                         | 51,300                                                             | 132,000*                             | 54.0                    | 534.4                         | 23,200                                                             | 112,200*                             | 290                          |
| 300                          | 37.6                    | 488.1                         | 73,000                                                             | 124,300*                             | 45.2                    | 512.0                         | 45,700                                                             | 124,900*                             | 51.6                    | 526.6                         | 18,600                                                             | 105,800*                             | 300                          |
| 310                          | 34.3                    | 474.0                         | 66,700                                                             | 113,900*                             | 42.4                    | 501.3                         | 40,400                                                             | 118,200*                             | 49.1                    | 518.1                         | 14,300                                                             | 99,800*                              | 310                          |
| 320                          | 30.7                    | 457.9                         | 60,600                                                             | 104,100*                             | 39.4                    | 489.5                         | 35,400                                                             | 112,000*                             | 46.5                    | 508.9                         | 10,300                                                             | 94,200*                              | 320                          |
| 330                          | 26.7                    | 439.1                         | 54,900                                                             | 94,900*                              | 36.2                    | 476.3                         | 30,600                                                             | 106,000*                             | 43.8                    | 498.7                         | 6,400                                                              | 88,900*                              | 330                          |
| 340                          | 21.9                    | 416.3                         | 49,300                                                             | 86,600*                              | 32.8                    | 461.4                         | 26,100                                                             | 100,400*                             | 40.9                    | 487.5                         | 2,800                                                              | 83,800*                              | 340                          |
| 350                          | 15.8                    | 385.9                         | 43,800                                                             | 79,000*                              | 29.0                    | 444.3                         | 21,800                                                             | 95,000*                              | 37.9                    | 475.0                         |                                                                    | 79,000*                              | 350                          |
| 360                          | 3.7                     | 323.5                         | 37,300                                                             | 73,000*                              | 24.7                    | 424.0                         | 17,500                                                             | 89,900*                              | 34.6                    | 461.1                         |                                                                    | 74,500*                              | 360                          |
| 370                          |                         |                               |                                                                    |                                      | 19.5                    | 398.6                         | 13,400                                                             | 84,300*                              | 31.0                    | 445.2                         |                                                                    | 70,100*                              | 370                          |
| 380                          |                         |                               |                                                                    |                                      | 12.2                    | 361.8                         | 9,000                                                              | 77,300*                              | 27.0                    | 426.6                         |                                                                    | 65,900*                              | 380                          |
| 390                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 22.3                    | 404.2                         |                                                                    | 61,800*                              | 390                          |
| 400                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 16.3                    | 374.6                         |                                                                    | 57,700*                              | 400                          |
| 410                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 5.7                     | 319.9                         |                                                                    | 52,300*                              | 410                          |

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



21000  
MAX-ER

## 320.0 ft Boom, 120.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 110                          |                         |                               |                                                                    | c                                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 110                          |
| 115                          |                         |                               |                                                                    | c                                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          |                         |                               |                                                                    | c                                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 61.0                    | 430.5                         | 386,200                                                            | 482,300*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 58.2                    | 427.4                         | 366,700                                                            | 462,000*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 55.3                    | 423.9                         | 348,800                                                            | 443,200*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 52.2                    | 420.0                         | 332,200                                                            | 425,600*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 49.1                    | 415.7                         | 316,800                                                            | 409,200*b                            | 65.0                    | 428.3                         | 263,500                                                            | *                                    |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 45.8                    | 410.8                         | 302,400                                                            | 393,800*b                            | 62.3                    | 425.6                         | 251,300                                                            | 359,100*b                            |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 42.2                    | 405.4                         | 288,900                                                            | 379,300*                             | 59.5                    | 422.6                         | 240,000                                                            | 345,900*b                            |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 38.4                    | 399.1                         | 276,200                                                            | 365,600*                             | 56.7                    | 419.3                         | 229,300                                                            | 333,600*b                            |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 34.2                    | 391.9                         | 264,100                                                            | 352,600*                             | 53.7                    | 415.6                         | 219,300                                                            | 321,900*b                            |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 29.5                    | 383.3                         | 252,600                                                            | 340,300*                             | 50.6                    | 411.5                         | 209,900                                                            | 310,800*b                            |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 23.8                    | 372.6                         | 241,500                                                            | 328,400*                             | 47.4                    | 406.9                         | 201,000                                                            | 300,400*b                            |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 16.3                    | 357.6                         | 230,400                                                            | 316,800*                             | 43.9                    | 401.8                         | 192,500                                                            | 290,400*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          |                         |                               |                                                                    |                                      | 40.3                    | 395.9                         | 184,400                                                            | 280,900*                             | 57.7                    | 411.9                         | 145,000                                                            | 253,700*b                            | 185                          |
| 190                          |                         |                               |                                                                    |                                      | 36.3                    | 389.2                         | 176,600                                                            | 271,900*                             | 54.7                    | 408.3                         | 138,700                                                            | 245,600*b                            | 190                          |
| 195                          |                         |                               |                                                                    |                                      | 31.8                    | 381.3                         | 169,100                                                            | 263,100*                             | 51.7                    | 404.4                         | 132,800                                                            | 237,900*b                            | 195                          |
| 200                          |                         |                               |                                                                    |                                      | 26.7                    | 371.8                         | 161,800                                                            | 254,700*                             | 48.5                    | 399.9                         | 127,100                                                            | 230,500*b                            | 200                          |
| 205                          |                         |                               |                                                                    |                                      | 20.2                    | 359.3                         | 154,500                                                            | 246,400*                             | 45.1                    | 395.0                         | 121,600                                                            | 223,400*b                            | 205                          |
| 210                          |                         |                               |                                                                    |                                      | 10.1                    | 338.6                         | 146,400                                                            | 237,900*                             | 41.6                    | 389.4                         | 116,300                                                            | 216,600*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 37.7                    | 383.0                         | 111,200                                                            | 210,100*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 33.4                    | 375.6                         | 106,200                                                            | 203,700*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 28.5                    | 366.7                         | 101,200                                                            | 197,500*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 22.7                    | 355.5                         | 96,200                                                             | 191,400*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 14.5                    | 339.1                         | 90,900                                                             | 185,200*                             | 235                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

Do not luff into area indicated by (c)  
with 37,000 lb minimum weight  
(see CAUTION on page 1).

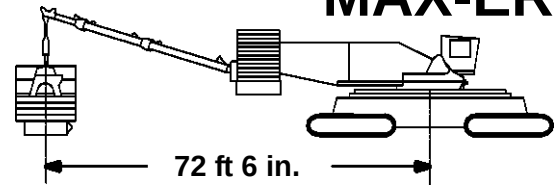
# Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 320.0 ft Boom, 140.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 115                          |                         |                               |                                                                    | c                                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 115                          |
| 120                          |                         |                               |                                                                    | c                                    |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 120                          |
| 125                          | 65.5                    | 453.2                         | 381,600                                                            | 477,900*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 63.2                    | 450.6                         | 362,300                                                            | 457,800*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 60.8                    | 447.8                         | 344,600                                                            | 439,100*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 58.4                    | 444.7                         | 328,200                                                            | 421,700*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 56.0                    | 441.4                         | 313,000                                                            | 405,500*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 53.4                    | 437.6                         | 298,800                                                            | 390,300*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 50.8                    | 433.5                         | 285,600                                                            | 376,000*                             | 64.3                    | 445.6                         | 234,200                                                            | 341,100*b                            |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 48.0                    | 429.0                         | 273,200                                                            | 362,600*                             | 62.0                    | 442.9                         | 223,800                                                            | 328,900*b                            |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 45.1                    | 424.1                         | 261,600                                                            | 349,900*                             | 59.6                    | 440.0                         | 214,000                                                            | 317,400*b                            |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 42.1                    | 418.6                         | 250,600                                                            | 337,900*                             | 57.2                    | 436.7                         | 204,800                                                            | 306,500*b                            |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 38.9                    | 412.4                         | 240,100                                                            | 326,500*                             | 54.6                    | 433.2                         | 196,100                                                            | 296,200*b                            |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 35.3                    | 405.5                         | 230,300                                                            | 315,700*                             | 52.0                    | 429.2                         | 187,800                                                            | 286,400*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 31.5                    | 397.5                         | 220,800                                                            | 305,400*                             | 49.3                    | 425.0                         | 180,000                                                            | 277,200*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 27.1                    | 388.1                         | 211,700                                                            | 295,500*                             | 46.5                    | 420.2                         | 172,600                                                            | 268,300*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 21.9                    | 376.4                         | 202,800                                                            | 285,900*                             | 43.6                    | 415.0                         | 165,600                                                            | 259,900*                             | 58.0                    | 429.2                         | 126,700                                                            | 233,000*b                            | 195                          |
| 200                          | 15.0                    | 360.1                         | 193,800                                                            | 276,500*                             | 40.4                    | 409.2                         | 158,800                                                            | 251,900*                             | 55.5                    | 425.8                         | 121,300                                                            | 225,800*b                            | 200                          |
| 205                          |                         |                               |                                                                    |                                      | 37.1                    | 402.6                         | 152,300                                                            | 244,200*                             | 53.0                    | 422.0                         | 116,000                                                            | 218,900*b                            | 205                          |
| 210                          |                         |                               |                                                                    |                                      | 33.4                    | 395.2                         | 146,000                                                            | 236,800*                             | 50.3                    | 417.8                         | 111,000                                                            | 212,300*                             | 210                          |
| 215                          |                         |                               |                                                                    |                                      | 29.3                    | 386.5                         | 139,900                                                            | 229,600*                             | 47.5                    | 413.3                         | 106,200                                                            | 206,000*                             | 215                          |
| 220                          |                         |                               |                                                                    |                                      | 24.5                    | 376.0                         | 133,900                                                            | 222,600*                             | 44.6                    | 408.2                         | 101,600                                                            | 199,900*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      | 18.6                    | 362.5                         | 127,900                                                            | 215,800*                             | 41.5                    | 402.6                         | 97,100                                                             | 194,100*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      | 9.2                     | 340.0                         | 121,200                                                            | 208,600*                             | 38.2                    | 396.3                         | 92,800                                                             | 188,400*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 34.7                    | 389.2                         | 88,600                                                             | 183,000*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 30.8                    | 381.0                         | 84,400                                                             | 177,700*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 26.3                    | 371.3                         | 80,300                                                             | 172,500*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 20.9                    | 359.0                         | 76,100                                                             | 167,300*                             | 250                          |

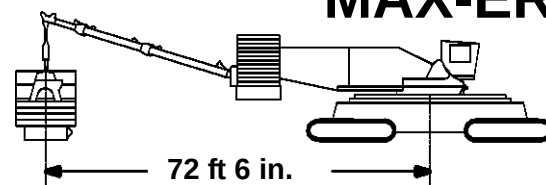
Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

Do not luff into area indicated by (c)  
with 37,000 lb minimum weight  
(see CAUTION on page 1).

# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



21000  
MAX-ER

## 320.0 ft Boom, 160.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 125                          | 68.7                    | 475.1                         | 378,200                                                            | 447,800*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 125                          |
| 130                          | 66.8                    | 472.9                         | 359,100                                                            | 445,500*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 130                          |
| 135                          | 64.8                    | 470.6                         | 341,400                                                            | 436,000*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 135                          |
| 140                          | 62.8                    | 468.0                         | 325,100                                                            | 418,700*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 60.7                    | 465.1                         | 310,000                                                            | 402,600*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 58.6                    | 462.1                         | 296,000                                                            | 387,500*b                            |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 56.5                    | 458.8                         | 282,900                                                            | 373,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 54.3                    | 455.1                         | 270,600                                                            | 360,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 52.0                    | 451.2                         | 259,200                                                            | 347,500*                             | 63.8                    | 463.0                         | 209,900                                                            | 313,900*b                            |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 49.7                    | 447.0                         | 248,400                                                            | 335,600*                             | 61.7                    | 460.2                         | 200,800                                                            | 303,100*b                            |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 47.2                    | 442.4                         | 238,200                                                            | 324,400*                             | 59.6                    | 457.3                         | 192,200                                                            | 292,900*b                            |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 44.7                    | 437.3                         | 228,500                                                            | 313,800*                             | 57.5                    | 454.1                         | 184,200                                                            | 283,300*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 42.0                    | 431.8                         | 219,400                                                            | 303,700*                             | 55.3                    | 450.6                         | 176,500                                                            | 274,100*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 39.2                    | 425.7                         | 210,700                                                            | 294,100*                             | 53.1                    | 446.9                         | 169,300                                                            | 265,400*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 36.2                    | 419.0                         | 202,500                                                            | 284,900*                             | 50.8                    | 442.8                         | 162,400                                                            | 257,200*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 32.9                    | 411.4                         | 194,500                                                            | 276,200*                             | 48.4                    | 438.3                         | 155,800                                                            | 249,300*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 29.3                    | 402.7                         | 186,900                                                            | 267,700*                             | 45.9                    | 433.5                         | 149,600                                                            | 241,700*                             | 58.3                    | 446.6                         | 111,700                                                            | 215,500*                             | 205                          |
| 210                          | 25.3                    | 392.5                         | 179,500                                                            | 259,600*                             | 43.3                    | 428.2                         | 143,600                                                            | 234,500*                             | 56.1                    | 443.2                         | 106,900                                                            | 209,000*                             | 210                          |
| 215                          | 20.4                    | 379.9                         | 172,200                                                            | 251,700*                             | 40.6                    | 422.4                         | 137,900                                                            | 227,600*                             | 53.9                    | 439.5                         | 102,200                                                            | 202,800*                             | 215                          |
| 220                          | 13.9                    | 362.4                         | 164,800                                                            | 243,900*                             | 37.6                    | 416.0                         | 132,300                                                            | 221,000*                             | 51.6                    | 435.6                         | 97,800                                                             | 196,800*                             | 220                          |
| 225                          |                         |                               |                                                                    |                                      | 34.5                    | 408.8                         | 127,000                                                            | 214,600*                             | 49.2                    | 431.3                         | 93,500                                                             | 191,100*                             | 225                          |
| 230                          |                         |                               |                                                                    |                                      | 31.1                    | 400.7                         | 121,800                                                            | 208,400*                             | 46.8                    | 426.6                         | 89,400                                                             | 185,600*                             | 230                          |
| 235                          |                         |                               |                                                                    |                                      | 27.3                    | 391.3                         | 116,800                                                            | 202,400*                             | 44.2                    | 421.5                         | 85,400                                                             | 180,300*                             | 235                          |
| 240                          |                         |                               |                                                                    |                                      | 22.8                    | 380.0                         | 111,800                                                            | 196,500*                             | 41.5                    | 415.8                         | 81,600                                                             | 175,300*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      | 17.3                    | 365.4                         | 106,700                                                            | 190,700*                             | 38.7                    | 409.6                         | 77,900                                                             | 170,300*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      | 8.5                     | 341.2                         | 101,000                                                            | 184,600*                             | 35.6                    | 402.7                         | 74,200                                                             | 165,600*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 28.6                    | 386.1                         | 67,200                                                             | 156,400*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 19.4                    | 362.3                         | 60,100                                                             | 147,600*                             | 270                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

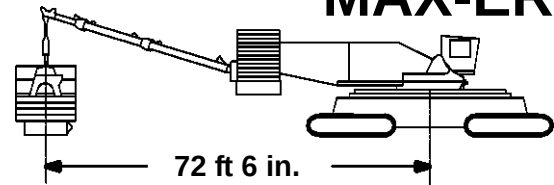
# Liftcrane Luffing Jib Capacities

21000

MAX-ER

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 320.0 ft Boom, 180.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 140                          | 66.0                    | 490.3                         | 321,600                                                            | 390,400*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 140                          |
| 145                          | 64.3                    | 487.9                         | 306,400                                                            | 390,400*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 62.5                    | 485.3                         | 292,300                                                            | 383,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 60.7                    | 482.5                         | 279,200                                                            | 369,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 58.8                    | 479.4                         | 267,000                                                            | 355,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 56.9                    | 476.1                         | 255,500                                                            | 343,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 54.9                    | 472.6                         | 244,800                                                            | 331,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 52.9                    | 468.8                         | 234,600                                                            | 320,500*                             | 63.3                    | 480.3                         | 186,900                                                            | 287,900*(b)                          |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 50.9                    | 464.8                         | 225,100                                                            | 310,000*                             | 61.5                    | 477.6                         | 178,900                                                            | 278,400*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 48.8                    | 460.4                         | 216,000                                                            | 300,000*                             | 59.7                    | 474.6                         | 171,300                                                            | 269,300*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 46.6                    | 455.7                         | 207,500                                                            | 290,500*                             | 57.8                    | 471.5                         | 164,200                                                            | 260,700*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 44.3                    | 450.6                         | 199,300                                                            | 281,500*                             | 55.9                    | 468.0                         | 157,400                                                            | 252,600*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 41.9                    | 445.0                         | 191,600                                                            | 272,900*                             | 53.9                    | 464.4                         | 150,900                                                            | 244,800*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 39.4                    | 439.0                         | 184,200                                                            | 264,700*                             | 51.9                    | 460.5                         | 144,800                                                            | 237,400*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 36.8                    | 432.4                         | 177,200                                                            | 255,900*                             | 49.8                    | 456.2                         | 138,900                                                            | 230,300*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 34.0                    | 425.0                         | 170,400                                                            | 246,500*                             | 47.6                    | 451.7                         | 133,300                                                            | 223,500*                             | 58.5                    | 463.9                         | 96,100                                                             | 197,700*                             | 215                          |
| 220                          | 30.9                    | 416.9                         | 163,900                                                            | 237,700*                             | 45.4                    | 446.8                         | 128,000                                                            | 217,000*                             | 56.5                    | 460.6                         | 91,800                                                             | 191,800*                             | 220                          |
| 225                          | 27.6                    | 407.5                         | 157,500                                                            | 229,400*                             | 43.1                    | 441.4                         | 122,800                                                            | 210,700*                             | 54.6                    | 457.0                         | 87,600                                                             | 186,200*                             | 225                          |
| 230                          | 23.7                    | 396.6                         | 151,400                                                            | 221,700*                             | 40.6                    | 435.6                         | 117,900                                                            | 204,700*                             | 52.6                    | 453.2                         | 83,600                                                             | 180,800*                             | 230                          |
| 235                          | 19.2                    | 383.1                         | 145,300                                                            | 214,900*                             | 38.1                    | 429.3                         | 113,100                                                            | 199,000*                             | 50.5                    | 449.1                         | 79,800                                                             | 175,700*                             | 235                          |
| 240                          | 13.0                    | 364.5                         | 139,000                                                            | 209,300*                             | 35.4                    | 422.3                         | 108,500                                                            | 193,400*                             | 48.4                    | 444.6                         | 76,100                                                             | 170,700*                             | 240                          |
| 245                          |                         |                               |                                                                    |                                      | 32.4                    | 414.6                         | 104,000                                                            | 188,000*                             | 46.2                    | 439.9                         | 72,500                                                             | 165,900*                             | 245                          |
| 250                          |                         |                               |                                                                    |                                      | 29.2                    | 405.8                         | 99,600                                                             | 182,800*                             | 43.9                    | 434.7                         | 69,100                                                             | 161,300*                             | 250                          |
| 260                          |                         |                               |                                                                    |                                      | 21.5                    | 383.7                         | 91,100                                                             | 172,700*                             | 39.0                    | 422.9                         | 62,500                                                             | 152,500*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      | 7.9                     | 342.4                         | 81,800                                                             | 162,400*                             | 33.5                    | 408.7                         | 56,300                                                             | 144,200*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 26.9                    | 390.8                         | 50,300                                                             | 136,400*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 18.2                    | 365.4                         | 44,200                                                             | 128,700*                             | 290                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

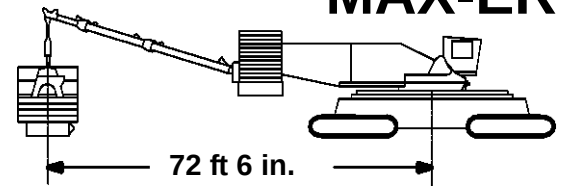
# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 320.0 ft Boom, 200.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 145                          | 67.0                    | 510.0                         | 302,500                                                            | 365,600*(b)                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 145                          |
| 150                          | 65.5                    | 507.7                         | 288,500                                                            | 359,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 150                          |
| 155                          | 63.9                    | 505.3                         | 275,400                                                            | 352,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 62.2                    | 502.6                         | 263,200                                                            | 344,900*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 60.6                    | 499.8                         | 251,800                                                            | 336,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 58.9                    | 496.8                         | 241,100                                                            | 327,700*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 57.2                    | 493.5                         | 231,100                                                            | 317,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 55.5                    | 490.1                         | 221,600                                                            | 306,900*                             | 64.6                    | 500.2                         | 174,300                                                            | 274,600*                             |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 53.7                    | 486.4                         | 212,700                                                            | 297,000*                             | 63.0                    | 497.6                         | 166,800                                                            | 265,600*                             |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 51.9                    | 482.5                         | 204,200                                                            | 287,600*                             | 61.4                    | 494.9                         | 159,700                                                            | 257,100*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 50.0                    | 478.2                         | 196,200                                                            | 278,700*                             | 59.7                    | 491.9                         | 153,000                                                            | 249,000*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 48.1                    | 473.8                         | 188,500                                                            | 270,100*                             | 58.0                    | 488.8                         | 146,700                                                            | 241,300*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 46.1                    | 469.0                         | 181,300                                                            | 260,900*                             | 56.3                    | 485.5                         | 140,600                                                            | 233,900*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 44.0                    | 463.8                         | 174,400                                                            | 251,700*                             | 54.5                    | 481.9                         | 134,800                                                            | 226,900*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 41.9                    | 458.2                         | 167,800                                                            | 242,800*                             | 52.7                    | 478.1                         | 129,300                                                            | 220,200*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 39.6                    | 452.2                         | 161,400                                                            | 234,200*                             | 50.9                    | 474.0                         | 124,100                                                            | 213,800*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 37.3                    | 445.7                         | 155,400                                                            | 225,900*                             | 49.0                    | 469.7                         | 119,000                                                            | 207,600*                             | 58.6                    | 481.3                         | 82,800                                                             | 182,500*                             | 225                          |
| 230                          | 34.8                    | 438.6                         | 149,500                                                            | 218,000*                             | 47.0                    | 465.0                         | 114,200                                                            | 201,700*                             | 56.9                    | 478.0                         | 78,900                                                             | 177,100*                             | 230                          |
| 235                          | 32.1                    | 430.8                         | 143,900                                                            | 210,400*                             | 45.0                    | 460.0                         | 109,600                                                            | 196,000*                             | 55.2                    | 474.5                         | 75,200                                                             | 172,000*                             | 235                          |
| 240                          | 29.3                    | 422.0                         | 138,500                                                            | 203,300*                             | 42.9                    | 454.7                         | 105,100                                                            | 190,600*                             | 53.4                    | 470.8                         | 71,600                                                             | 167,100*                             | 240                          |
| 245                          | 26.1                    | 412.1                         | 133,200                                                            | 196,600*                             | 40.7                    | 448.9                         | 100,800                                                            | 185,300*                             | 51.5                    | 466.8                         | 68,100                                                             | 162,400*                             | 245                          |
| 250                          | 22.4                    | 400.5                         | 128,000                                                            | 190,500*                             | 38.4                    | 442.6                         | 96,700                                                             | 180,200*                             | 49.7                    | 462.5                         | 64,800                                                             | 157,900*                             | 250                          |
| 260                          | 12.3                    | 366.5                         | 117,500                                                            | 180,600*                             | 33.4                    | 428.3                         | 88,800                                                             | 170,600*                             | 45.7                    | 453.1                         | 58,500                                                             | 149,300*                             | 260                          |
| 270                          |                         |                               |                                                                    |                                      | 27.6                    | 410.7                         | 81,300                                                             | 161,500*                             | 41.5                    | 442.3                         | 52,600                                                             | 141,300*                             | 270                          |
| 280                          |                         |                               |                                                                    |                                      | 20.3                    | 387.2                         | 73,900                                                             | 152,800*                             | 36.9                    | 429.6                         | 47,000                                                             | 133,700*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      | 7.5                     | 343.6                         | 65,900                                                             | 143,900*                             | 31.6                    | 414.4                         | 41,600                                                             | 126,600*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 25.5                    | 395.2                         | 36,400                                                             | 119,700*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 17.2                    | 368.3                         | 31,100                                                             | 113,000*                             | 310                          |

Capacities indicated by (b) require  
37,000 lb minimum weight suspended  
beneath luffing jib point.

# Liftcrane Luffing Jib Capacities

**21000**

**MAX-ER**

Luffing Jib No. 81 On

Boom No. 80 With 140 ft Mast No. 81

458,700 lb Crane Counterweight

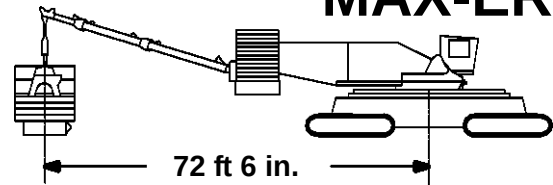
200,000 lb Carbody Counterweight

599,300 lb Hanging Counterweight

at 72 ft 6 in. Position

Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



## 320.0 ft Boom, 220.0 ft Luffing Jib

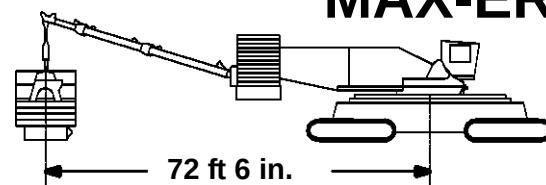
| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 155                          | 66.4                    | 527.5                         | 270,000                                                            | 326,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 155                          |
| 160                          | 65.0                    | 525.1                         | 257,800                                                            | 321,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 160                          |
| 165                          | 63.5                    | 522.6                         | 246,500                                                            | 315,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 62.0                    | 519.9                         | 235,900                                                            | 309,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 60.5                    | 517.1                         | 225,900                                                            | 302,100*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 59.0                    | 514.1                         | 216,400                                                            | 294,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 57.5                    | 510.9                         | 207,600                                                            | 286,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 55.9                    | 507.5                         | 199,200                                                            | 278,700*                             | 64.2                    | 517.5                         | 153,500                                                            | 252,100*                             |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 54.3                    | 503.9                         | 191,200                                                            | 270,500*                             | 62.7                    | 515.0                         | 146,800                                                            | 244,000*                             |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 52.6                    | 500.1                         | 183,700                                                            | 262,100*                             | 61.3                    | 512.2                         | 140,500                                                            | 236,400*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 51.0                    | 496.0                         | 176,500                                                            | 254,000*                             | 59.7                    | 509.3                         | 134,600                                                            | 229,100*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 49.3                    | 491.7                         | 169,700                                                            | 245,900*                             | 58.2                    | 506.1                         | 128,900                                                            | 222,100*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 47.5                    | 487.1                         | 163,200                                                            | 237,800*                             | 56.6                    | 502.9                         | 123,500                                                            | 215,500*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 45.7                    | 482.2                         | 156,900                                                            | 229,900*                             | 55.1                    | 499.3                         | 118,300                                                            | 209,100*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 43.8                    | 477.0                         | 151,000                                                            | 222,000*                             | 53.4                    | 495.6                         | 113,300                                                            | 203,000*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 41.8                    | 471.5                         | 145,300                                                            | 214,600*                             | 51.8                    | 491.7                         | 108,600                                                            | 197,200*                             |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 39.8                    | 465.5                         | 139,800                                                            | 207,300*                             | 50.1                    | 487.5                         | 104,100                                                            | 191,600*                             | 58.7                    | 498.6                         | 68,600                                                             | 166,900*                             | 235                          |
| 240                          | 37.7                    | 459.1                         | 134,500                                                            | 200,300*                             | 48.3                    | 483.0                         | 99,700                                                             | 186,200*                             | 57.2                    | 495.4                         | 65,100                                                             | 162,100*                             | 240                          |
| 245                          | 35.5                    | 452.1                         | 129,500                                                            | 193,500*                             | 46.5                    | 478.3                         | 95,500                                                             | 181,000*                             | 55.6                    | 491.9                         | 61,800                                                             | 157,400*                             | 245                          |
| 250                          | 33.1                    | 444.5                         | 124,600                                                            | 187,100*                             | 44.7                    | 473.3                         | 91,500                                                             | 176,100*                             | 54.0                    | 488.3                         | 58,500                                                             | 153,000*                             | 250                          |
| 260                          | 27.8                    | 426.9                         | 115,200                                                            | 175,200*                             | 40.8                    | 462.1                         | 83,900                                                             | 166,600*                             | 50.7                    | 480.3                         | 52,400                                                             | 144,500*                             | 260                          |
| 270                          | 21.3                    | 404.2                         | 106,300                                                            | 164,900*                             | 36.5                    | 449.2                         | 76,700                                                             | 157,800*                             | 47.2                    | 471.4                         | 46,700                                                             | 136,600*                             | 270                          |
| 280                          | 11.7                    | 368.5                         | 97,200                                                             | 157,000*                             | 31.8                    | 434.0                         | 70,000                                                             | 149,500*                             | 43.4                    | 461.1                         | 41,300                                                             | 129,300*                             | 280                          |
| 290                          |                         |                               |                                                                    |                                      | 26.3                    | 415.3                         | 63,500                                                             | 141,600*                             | 39.4                    | 449.5                         | 36,300                                                             | 122,300*                             | 290                          |
| 300                          |                         |                               |                                                                    |                                      | 19.3                    | 390.5                         | 57,100                                                             | 134,000*                             | 35.1                    | 435.9                         | 31,500                                                             | 115,800*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      | 7.1                     | 344.7                         | 50,100                                                             | 126,200*                             | 30.1                    | 419.7                         | 26,900                                                             | 109,600*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 24.2                    | 399.5                         | 22,300                                                             | 103,600*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 16.4                    | 371.1                         | 17,700                                                             | 97,700*                              | 330                          |



# Liftcrane Luffing Jib Capacities

Luffing Jib No. 81 On  
Boom No. 80 With 140 ft Mast No. 81  
458,700 lb Crane Counterweight  
200,000 lb Carbody Counterweight  
599,300 lb Hanging Counterweight  
at 72 ft 6 in. Position  
Narrow or Wide Crawler Arrangement - 360 Degree Rating

Meets  
ANSI B30.5  
Requirements



**21000  
MAX-ER**

## 320.0 ft Boom, 240.0 ft Luffing Jib

| Jib<br>Oper.<br>Rad.<br>Feet | 80 Degree<br>Boom Angle |                               |                                                                    |                                      | 75 Degree<br>Boom Angle |                               |                                                                    |                                      | 70 Degree<br>Boom Angle |                               |                                                                    |                                      | Jib<br>Oper.<br>Rad.<br>Feet |
|------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|-------------------------|-------------------------------|--------------------------------------------------------------------|--------------------------------------|------------------------------|
|                              | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds | Jib<br>Ang.<br>Deg.     | Jib<br>Point<br>Elev.<br>Feet | Minimum<br>Boom<br>Capacity<br>To Swing<br>and<br>Travel<br>Pounds | Luffing<br>Jib<br>Capacity<br>Pounds |                              |
| 165                          | 65.9                    | 544.9                         | 241,900                                                            | 291,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 165                          |
| 170                          | 64.6                    | 542.5                         | 231,300                                                            | 289,200*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 170                          |
| 175                          | 63.2                    | 540.0                         | 221,300                                                            | 284,000*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 175                          |
| 180                          | 61.9                    | 537.3                         | 211,900                                                            | 278,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 180                          |
| 185                          | 60.5                    | 534.4                         | 203,000                                                            | 272,600*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 185                          |
| 190                          | 59.1                    | 531.4                         | 194,700                                                            | 266,300*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 190                          |
| 195                          | 57.7                    | 528.2                         | 186,800                                                            | 259,800*                             |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 195                          |
| 200                          | 56.2                    | 524.9                         | 179,300                                                            | 253,000*                             | 63.9                    | 534.9                         | 135,300                                                            | 232,200*                             |                         |                               |                                                                    |                                      | 200                          |
| 205                          | 54.8                    | 521.3                         | 172,100                                                            | 246,200*                             | 62.5                    | 532.3                         | 129,400                                                            | 225,000*                             |                         |                               |                                                                    |                                      | 205                          |
| 210                          | 53.3                    | 517.6                         | 165,300                                                            | 239,200*                             | 61.1                    | 529.5                         | 123,800                                                            | 218,100*                             |                         |                               |                                                                    |                                      | 210                          |
| 215                          | 51.8                    | 513.7                         | 158,900                                                            | 232,200*                             | 59.8                    | 526.6                         | 118,400                                                            | 211,500*                             |                         |                               |                                                                    |                                      | 215                          |
| 220                          | 50.2                    | 509.5                         | 152,700                                                            | 225,200*                             | 58.4                    | 523.5                         | 113,300                                                            | 205,100*                             |                         |                               |                                                                    |                                      | 220                          |
| 225                          | 48.6                    | 505.1                         | 146,800                                                            | 218,400*                             | 56.9                    | 520.2                         | 108,400                                                            | 199,100*                             |                         |                               |                                                                    |                                      | 225                          |
| 230                          | 47.0                    | 500.4                         | 141,200                                                            | 211,600*                             | 55.5                    | 516.8                         | 103,700                                                            | 193,300*                             |                         |                               |                                                                    |                                      | 230                          |
| 235                          | 45.3                    | 495.5                         | 135,800                                                            | 204,900*                             | 54.0                    | 513.1                         | 99,200                                                             | 187,700*                             |                         |                               |                                                                    |                                      | 235                          |
| 240                          | 43.6                    | 490.3                         | 130,600                                                            | 198,400*                             | 52.5                    | 509.3                         | 94,900                                                             | 182,400*                             | 58.8                    | 515.9                         | 56,300                                                             | 153,200*                             | 240                          |
| 245                          | 41.8                    | 484.7                         | 125,600                                                            | 192,000*                             | 51.0                    | 505.2                         | 90,800                                                             | 177,300*                             | 57.4                    | 512.7                         | 53,100                                                             | 148,800*                             | 245                          |
| 250                          | 40.0                    | 478.8                         | 120,800                                                            | 185,800*                             | 49.4                    | 501.0                         | 86,800                                                             | 172,300*                             | 54.5                    | 505.8                         | 47,100                                                             | 140,400*                             | 250                          |
| 260                          | 36.0                    | 465.6                         | 111,800                                                            | 174,300*                             | 46.1                    | 491.6                         | 79,300                                                             | 163,000*                             | 51.5                    | 498.0                         | 41,600                                                             | 132,600*                             | 260                          |
| 270                          | 31.6                    | 450.2                         | 103,300                                                            | 163,500*                             | 42.7                    | 481.1                         | 72,400                                                             | 154,300*                             |                         |                               |                                                                    |                                      | 270                          |
| 280                          | 26.6                    | 431.6                         | 95,200                                                             | 153,800*                             | 39.0                    | 469.2                         | 65,800                                                             | 146,100*                             | 48.3                    | 489.4                         | 36,300                                                             | 125,400*                             | 280                          |
| 290                          | 20.4                    | 407.7                         | 87,500                                                             | 145,500*                             | 34.9                    | 455.5                         | 59,700                                                             | 138,500*                             | 45.0                    | 479.7                         | 31,400                                                             | 118,600*                             | 290                          |
| 300                          | 11.1                    | 370.3                         | 79,500                                                             | 139,300*                             | 30.4                    | 439.4                         | 53,800                                                             | 131,300*                             | 41.5                    | 468.8                         | 26,800                                                             | 112,100*                             | 300                          |
| 310                          |                         |                               |                                                                    |                                      | 25.1                    | 419.7                         | 48,200                                                             | 124,400*                             | 37.7                    | 456.3                         | 22,400                                                             | 106,100*                             | 310                          |
| 320                          |                         |                               |                                                                    |                                      | 18.4                    | 393.6                         | 42,600                                                             | 117,700*                             | 33.5                    | 441.9                         | 18,300                                                             | 100,400*                             | 320                          |
| 330                          |                         |                               |                                                                    |                                      | 6.7                     | 345.7                         | 36,300                                                             | 110,700*                             | 28.8                    | 424.8                         | 14,200                                                             | 94,900*                              | 330                          |
| 340                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 23.1                    | 403.5                         | 10,200                                                             | 89,600*                              | 340                          |
| 350                          |                         |                               |                                                                    |                                      |                         |                               |                                                                    |                                      | 15.6                    | 373.8                         | 6,000                                                              | 84,300*                              | 350                          |