



MLC300

Product Guide

ASME B30.5
Metric

Features

- 350 t capacity
- 300 t capacity VPC-MAX[®]
- 2145 t-m maximum load moment
- 4119 t-m maximum load moment with VPC-MAX[®]
- 102 m B10:500 boom
- 120 m B60:500 Boom with VPC-MAX[®]
- 42 m No. 148 fixed jib on B10:500 boom
- 96 m LJ10:501 luffing jib on B10:500 boom

MANITOWOC MLC300

The MLC300 combines class-leading load charts with a reduced footprint thanks to its revolutionary VPC® technology. This delivers jobsite versatility and outstanding lifting capacity to maximize ROI.

Features

- > **Crane Control System**
The Crane Control System offers a user-friendly interface, two full graphic displays mounted horizontally for better visibility, a jog dial for easier data input and ergonomic joysticks.
- > **Variable Position Counterweight (VPC®)**
The Manitowoc MLC300 features a counterweight system which automatically positions the crane's counterweight as required to match lifting demands. Crane lifting capability is optimized by automatic positioning of the counterweight; eliminating the need for carbody counterweight. Additionally, counterweight boxes are designed to be common across multiple crane platforms and are utilized on Manitowoc Model MLC650 as well as future new models.
- > **VPC-MAX®**
Capacity and boom and jib combination lengths can be increased through addition of the exclusive VPC-MAX® attachment. The VPC-MAX® attachment, utilizing all of the standard VPC® components, increases the max load moment of the MLC300 when a 30 m fixed mast, VPC-MAX® counterweight beam. The position of the VPC-MAX® counterweight is automatically positioned based on lifted load, boom length or boom and jib length and load radius.
- > **FACT™ Connectors**
Manitowoc's Fast Aligning Connection Technology (FACT™) automatically aligns crane components for fast, easy assembly.



Jobsite benefits

Transportation

The MLC300 is designed to be transported globally with optimized component weights and dimensions. The MLC300 features a removable live mast shipping module and boom inserts designed to allow luffing jib inserts to ship within the boom inserts for cost effective transport.

Rugged durability and ease of service

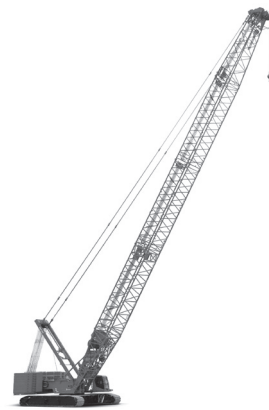
The MLC300 comes equipped with numerous upgrades to spend less time performing maintenance.

- Individual function hour tracking to optimize service intervals
- Remote mounted filters for easy access inside enclosures

Easy and quick assembly

The MLC300 helps you spend less time on the truck and more time on the job.

- Raise full boom and luffing jib combinations without assist
- Self-erect mast cylinder eliminates need to reeve self assembly block



What you need, when you need it.

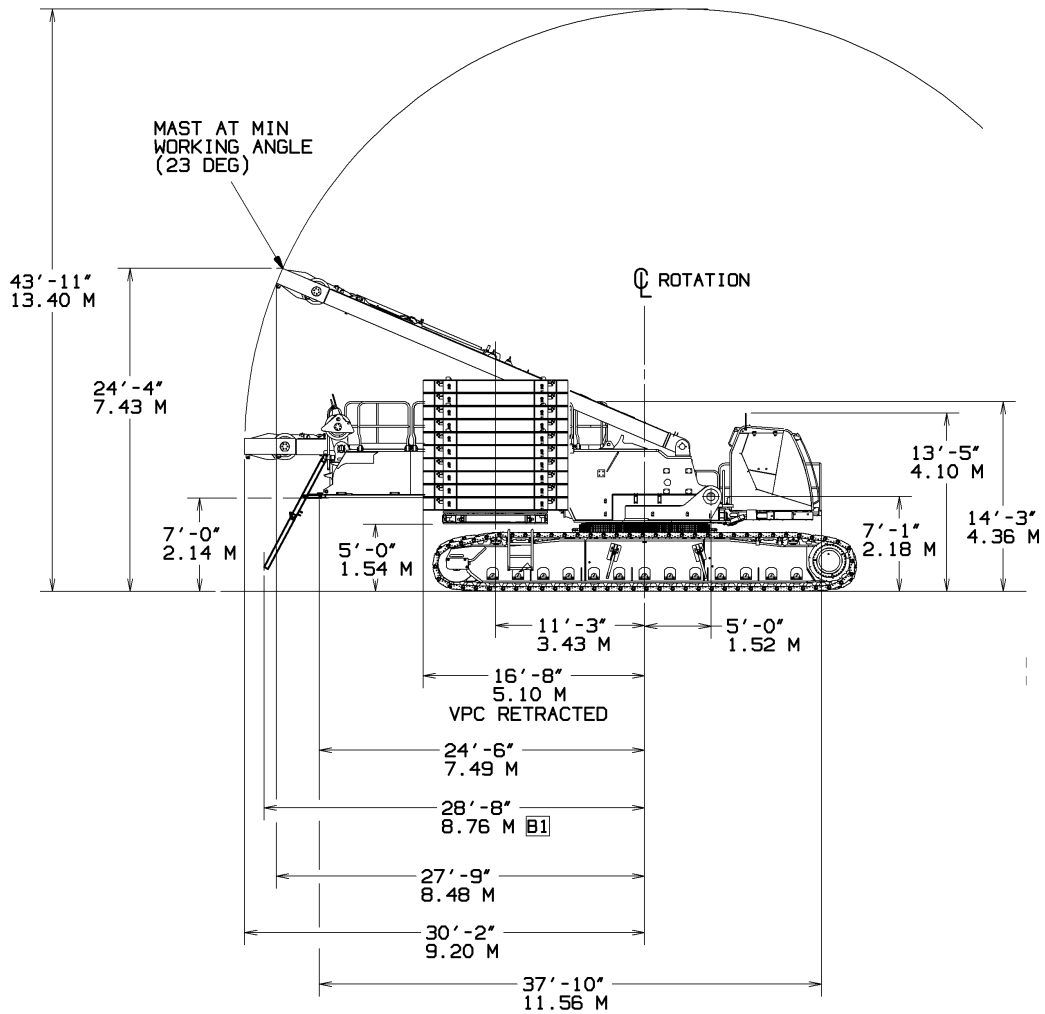
Get right to work with the right equipment — Manitowoc Finance gives you access to flexible, affordable financing you can use to seize profitable new opportunities as they arise.

Feel confident in your investment — rest easy with the assurance of the world's most advanced crane service and support network.

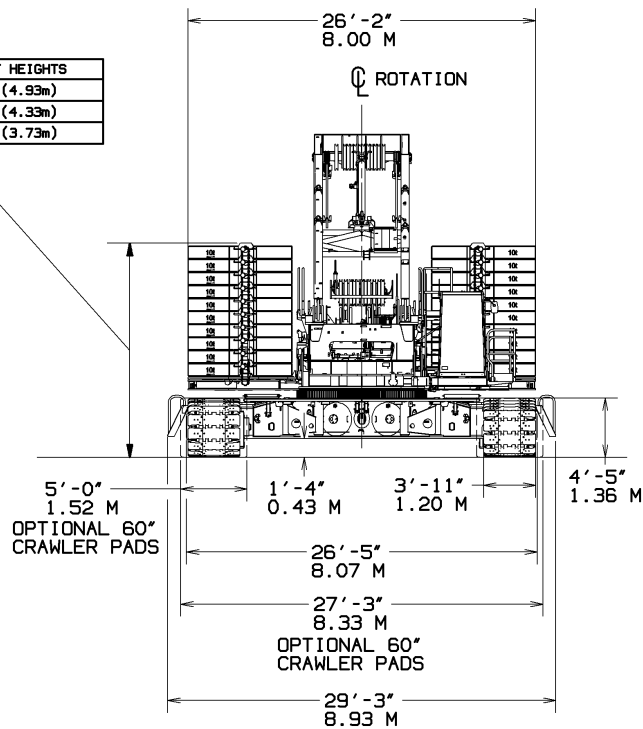
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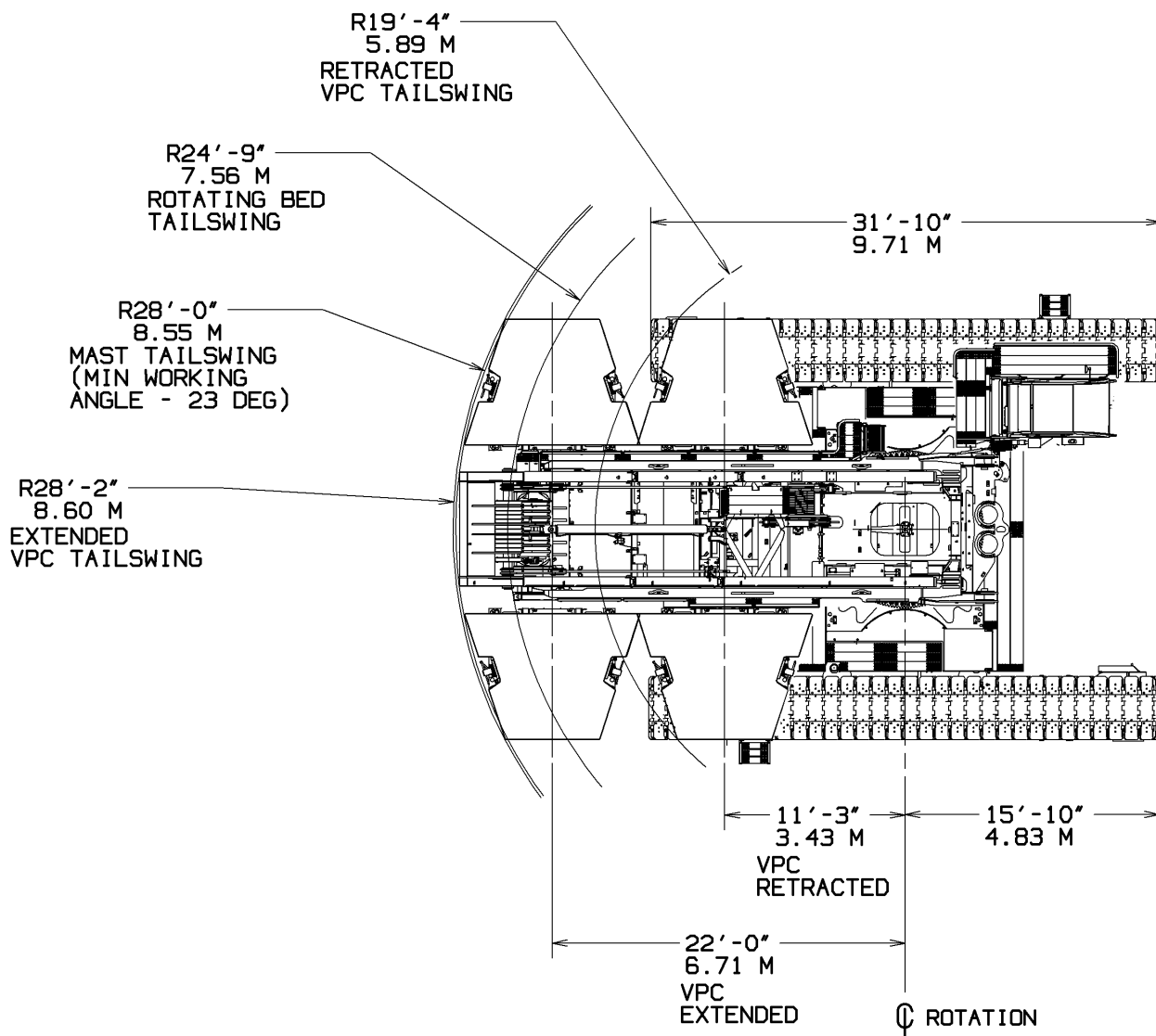
Outline dimensions



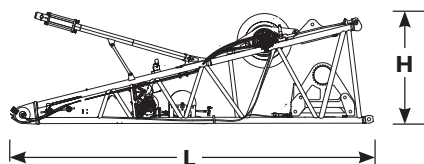
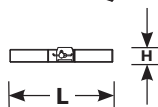
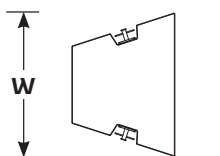
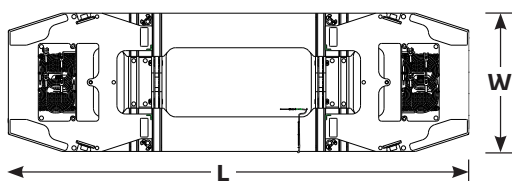
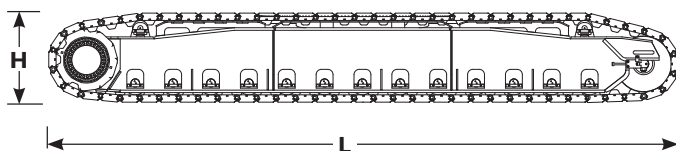
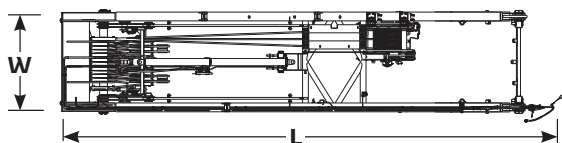
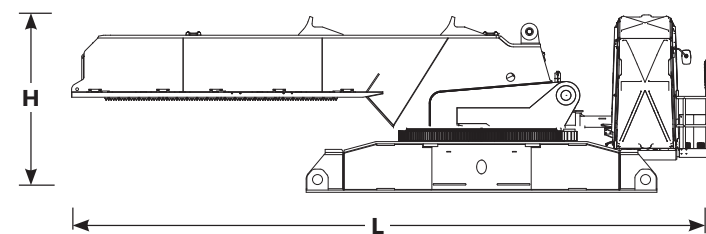
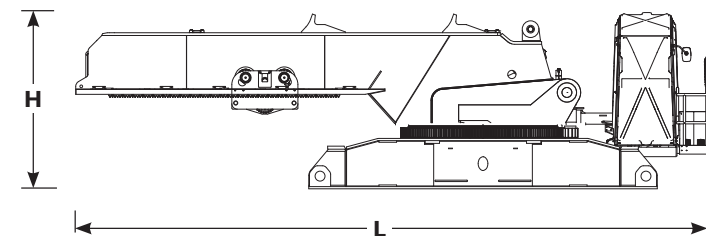
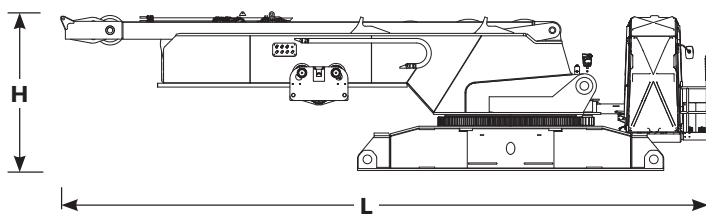
| COUNTERWEIGHT HEIGHTS | |
|-----------------------|----------------|
| SERIES 3 | 16'-1" (4.93m) |
| SERIES 2 | 14'-2" (4.33m) |
| SERIES 1 | 12'-2" (3.73m) |



Outline dimensions



Outline dimensions



Rotating bed assembly

| | |
|--------|-----------|
| Length | 13,7 m |
| Width | 3,0 m |
| Height | 3,2 m |
| Weight | 54 800 kg |

Note: includes live mast, boom hoist, carbody jacks.

Rotating bed assembly

| | |
|--------|-----------|
| Length | 11,6 m |
| Width | 3,0 m |
| Height | 3,2 m |
| Weight | 45 800 kg |

Note: includes boom hoist, carbody jacks.

Note: excludes live mast, boom hoist

Rotating bed assembly

| | |
|--------|-----------|
| Length | 11,6 m |
| Width | 3,0 m |
| Height | 3,2 m |
| Weight | 42 600 kg |

Note: includes carbody jacks.

Note: excludes live mast, boom hoist and VPC® trolley.

Live Mast Assembly

| | |
|--------|---------|
| Length | 10,3 m |
| Width | 2,3 m |
| Height | 1,8 m |
| Weight | 9000 kg |

Crawlers

| | |
|--------|-----------|
| Length | 9,7 m |
| Width | 1,2 m |
| Height | 1,3 m |
| Weight | 22 700 kg |

Counterweight tray

| | |
|--------|-----------|
| Length | 7,9 m |
| Width | 2,4 m |
| Height | 4,0 m |
| Weight | 12 200 kg |

Counterweight box

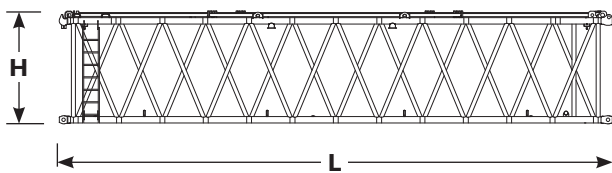
| | |
|--------|-----------|
| Length | 2,4 m |
| Width | 3,3 m |
| Height | 0,4 m |
| Weight | 10 000 kg |

8 m No. 500 boom butt

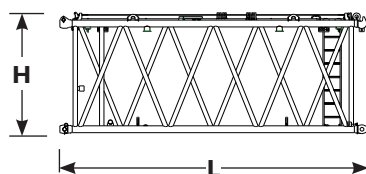
| | |
|--------|-----------|
| Length | 8,4 m |
| Width | 2,9 m |
| Height | 2,5 m |
| Weight | 16 400 kg |

Note: includes main hoist, luffing/auxillary hoist, rigging winch and spring boom stop.

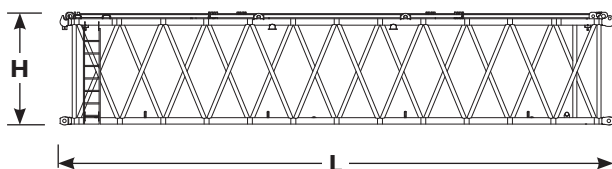
Outline dimensions



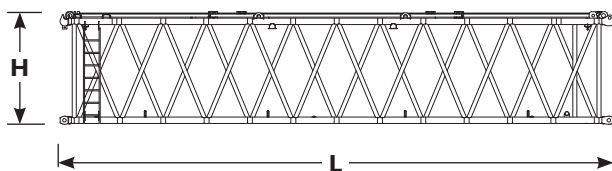
| 12 m No. 500 main boom heavy insert | |
|-------------------------------------|---------|
| Length | 12 m |
| Width | 2,9 m |
| Height | 2,5 m |
| Weight | 5600 kg |



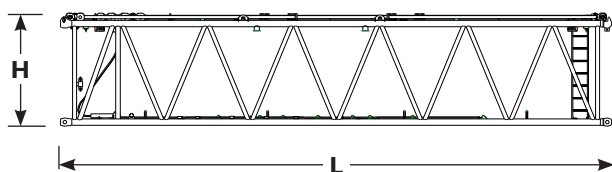
| 6 m No. 500 main boom medium insert | |
|-------------------------------------|---------|
| Length | 6,2 m |
| Width | 3,0 m |
| Height | 2,5 m |
| Weight | 2400 kg |



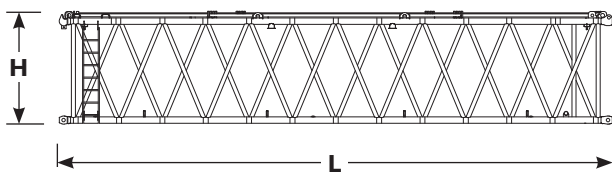
| 12 m No. 500 main boom medium insert with equalizer brackets | |
|--|---------|
| Length | 12,2 m |
| Width | 3,0 m |
| Height | 2,5 m |
| Weight | 4500 kg |



| 12 m No. 500 main boom medium insert | |
|--------------------------------------|---------|
| Length | 12,2 m |
| Width | 3,0 m |
| Height | 2,5 m |
| Weight | 3800 kg |

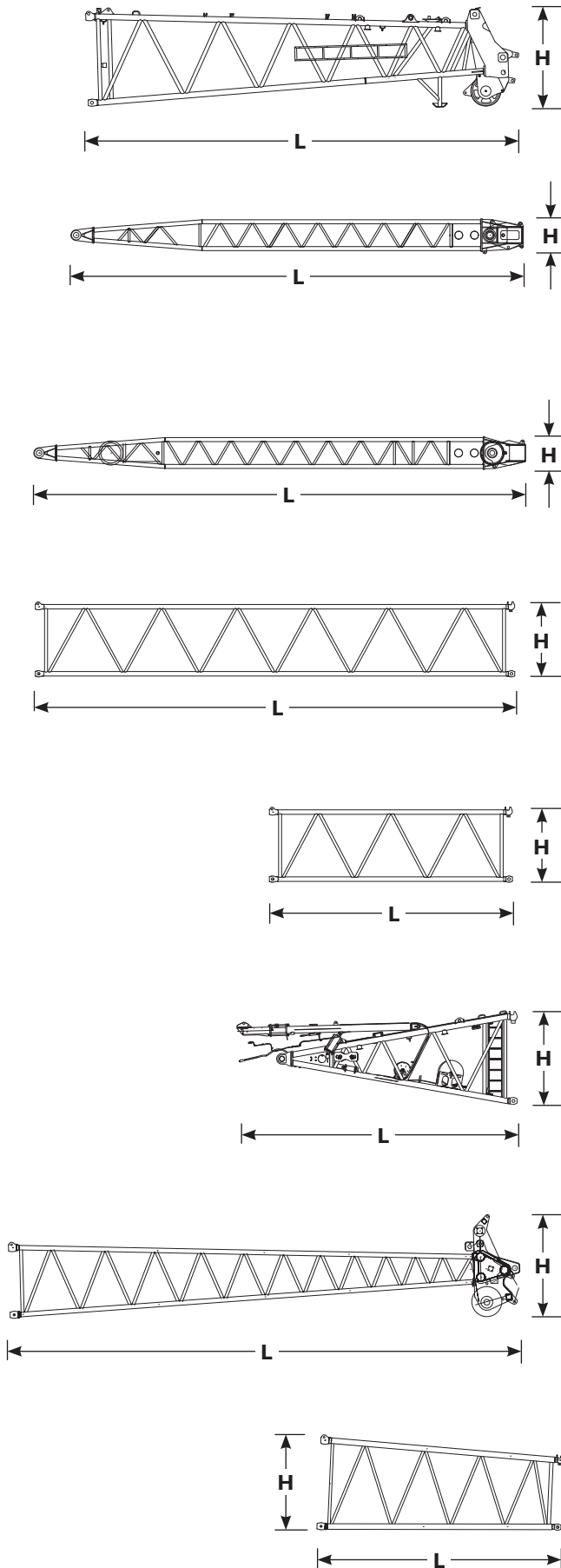


| 12m No. 500 main boom light insert with suspension | |
|--|---------|
| Length | 12,2 m |
| Width | 3,0 m |
| Height | 2,5 m |
| Weight | 3800 kg |



| 12m No. 500 main boom light insert | |
|------------------------------------|---------|
| Length | 12,2 m |
| Width | 3,0 m |
| Height | 2,5 m |
| Weight | 3500 kg |

Outline dimensions



10 m No. 500 boom top

| | |
|--------|---------|
| Length | 11 m |
| Width | 2,9 m |
| Height | 2,6 m |
| Weight | 8100 kg |

10 m No. 501 luffing jib main strut

| | |
|--------|---------|
| Length | 11,5 m |
| Width | 2,1 m |
| Height | 0,9 m |
| Weight | 3300 kg |

Note: Sheaves, Straps, Wire rope guide, Main Strut stops are included

11 m No. 501 luffing jib strut

| | |
|--------|---------|
| Length | 12,5 m |
| Width | 1,7 m |
| Height | 0,8 m |
| Weight | 4800 kg |

Note: Sheaves, Straps, Wire rope guide are included

12 m No. 501 luffing jib insert

| | |
|--------|---------|
| Length | 12,1 m |
| Width | 2,6 m |
| Height | 1,9 m |
| Weight | 2300 kg |

Note: Jib Straps are included

6 m No. 501 luffing jib insert

| | |
|--------|---------|
| Length | 6,1 m |
| Width | 2,6 m |
| Height | 1,9 m |
| Weight | 1300 kg |

Note: Jib straps are included

6m No. 500A luffing jib butt

| | |
|--------|---------|
| Length | 6,3 m |
| Width | 2,6 m |
| Height | 2,4 m |
| Weight | 3200 kg |

Note: Jib stops and hinge pins are included

12 m No. 501 luffing jib top

| | |
|--------|---------|
| Length | 13 m |
| Width | 2,6 m |
| Height | 2,6 m |
| Weight | 5300 kg |

Note: Jib straps, lower point, and wire rope guide are included are included

6 m No. 500-501 transition insert

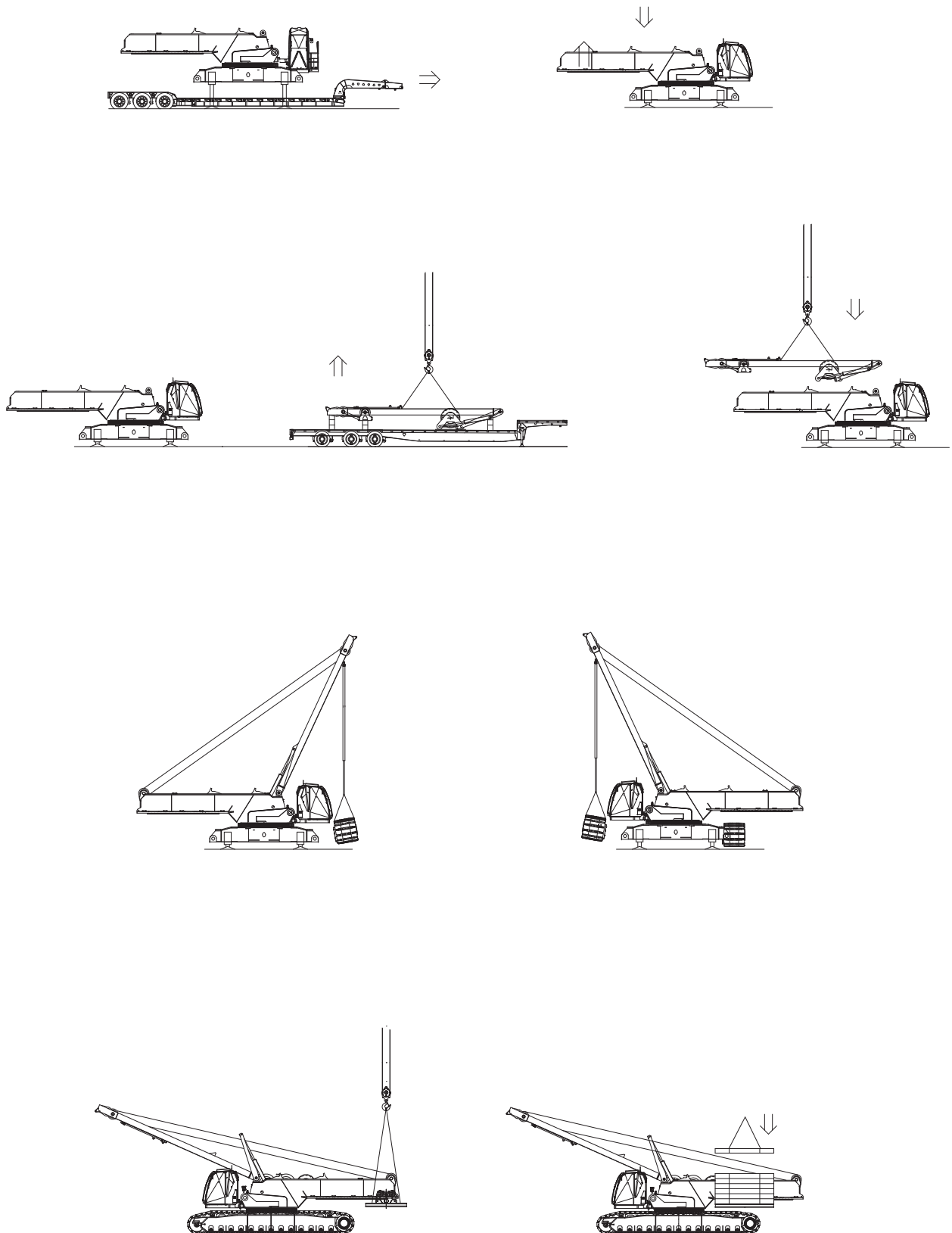
| | |
|--------|---------|
| Length | 6,2 m |
| Width | 3,0 m |
| Height | 2,5 m |
| Weight | 2200 kg |

Note: Jib straps are included

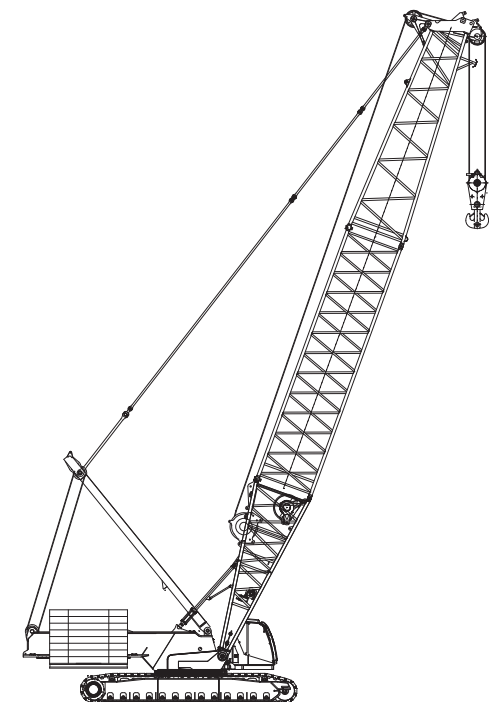
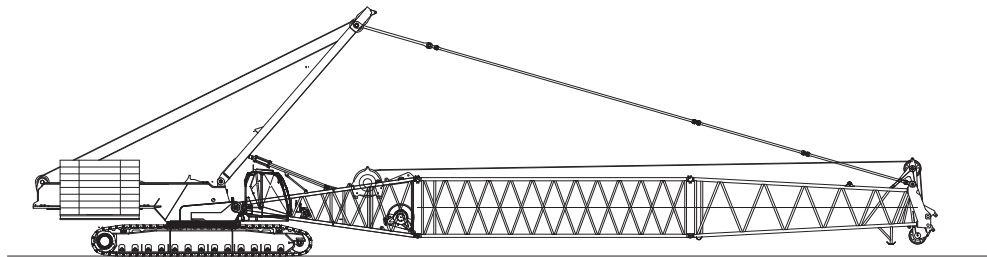
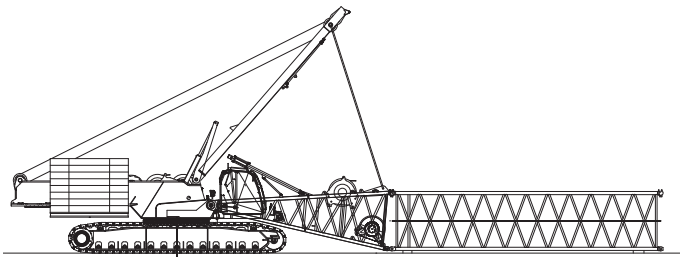
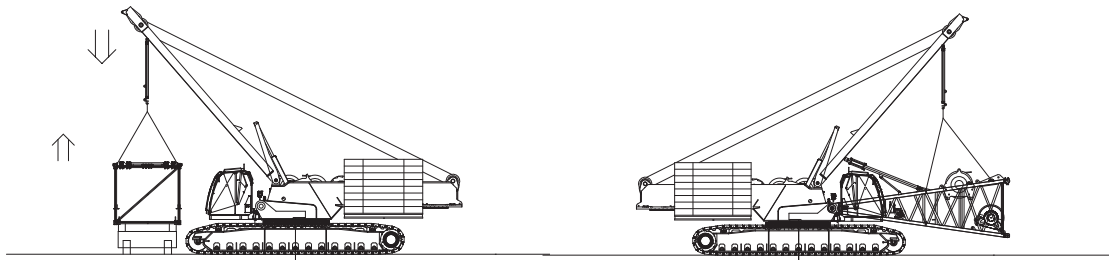
Transport data

| Load summary | | | | | | | | | | | | | | | | | | | |
|---|--|---------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Item | 78 m B10:500 heavy lift main boom + 12 m No. 148 fixed jib Series 2 counterweight Quantity on trailer load # (Does not include blocking, strapping, etc.) | | | | | | | | | | | | | | | | | | |
| | Qty | Weight kgs | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| Upperworks module | 1 | 42 600 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Crawler Assembly | 2 | 22 400 | - | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 8m No. 500 Boom butt | 1 | 17 200 | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Counterweight tray | 1 | 12 200 | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| Upper counterweight box | 16 | 10 000 | - | - | - | - | 1 | - | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 |
| Mast shipping module | 1 | 9000 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - |
| VPC® Actuator | 1 | 3200 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - | - |
| 12 m No. 500 Heavy Insert w/sheaves | 1 | 5600 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - | - |
| 12 m No. 500 Medium Insert | 3 | 3800 | - | - | - | - | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - | - |
| 12 m No. 500 Light Insert w/ Suspension | 1 | 3800 | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - |
| 10 m No. 500 Boom top | 1 | 8100 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - |
| 12 m No. 148 Fixed jib assembly | 1 | 51 000 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| 220 t Block | 1 | 3200 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - |
| 100 t Block | 1 | 1900 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - |
| Weight ball | 1 | 700 | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| Misc. job box | 2 | 900 | - | - | - | - | - | - | - | - | - | - | 1 | - | 1 | - | - | - | - |
| Misc. job box | | | 42 600 | 22 400 | 22 400 | 17 200 | 22 200 | 12 200 | 15 600 | 17 000 | 15 700 | 14 500 | 14 700 | 18 100 | 16 000 | 20 000 | 20 000 | 20 000 | 20 000 |

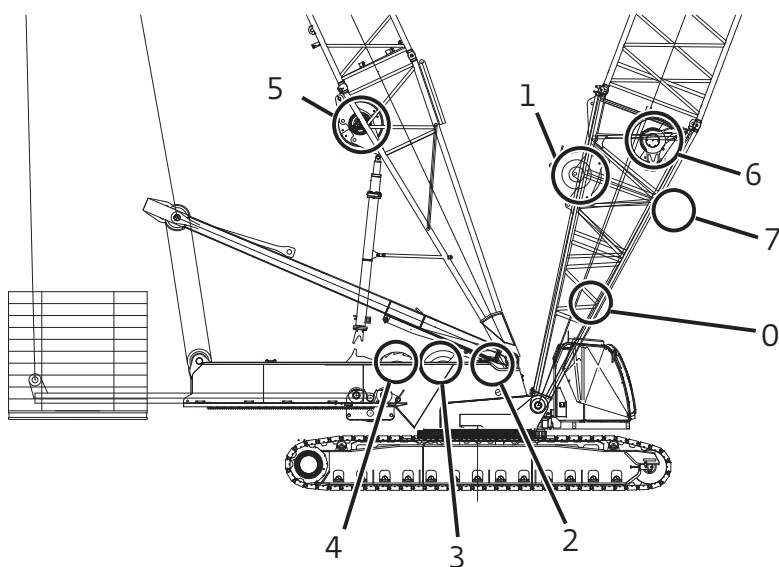
Assembly



Assembly



Performance data



| Drum identification | |
|---------------------|----------------------------------|
| Drum number | Function |
| 1 | Main hoist |
| 2* | Auxiliary front hoist (optional) |
| 3* | Auxiliary rear hoist (optional) |
| 4 | Boom/Mast Hoist (VPC-MAX™) |
| 5 | Boom hoist (VPC-MAX™) |
| 6 | Luffing/auxiliary hoist |
| 7 | Tagline winch |
| 0 | Rigging winch |

**fre fall optional*

| Working weight | |
|-----------------------|------------|
| 30 m B10:500 boom | 305 261 kg |
| upper boom point | |
| 22,2 t hook ball | |
| 330 t hook block | |
| 175,2 t counterweight | |
| 2 swing drives | |

Performance data

B10:500 / B60:500 boom Hoist reeving for main load block single lead line - 28 mm wire rope

| No. parts of line | Maximum load |
|-------------------|--------------|
| | kg |
| 1 | 16,670 |
| 2 | 33,340 |
| 3 | 50,010 |
| 4 | 66,680 |
| 5 | 83,350 |
| 6 | 100,020 |
| 7 | 116,690 |
| 8 | 133,360 |
| 9 | 150,030 |
| 10 | 166,700 |
| 11 | 183,370 |
| 12 | 200,040 |
| 13 | 216,710 |
| 14 | 233,380 |
| 15 | 250,050 |
| 16 | 266,720 |
| 17 | 283,390 |
| 18 | 300,000 |

B10:500 / B60:500 boom Hoist reeving for drum #6 28 mm wire rope

| No. parts of line | Maximum load |
|-------------------|--------------|
| | kg |
| 1 | 13 600 |
| 2 | 27 200 |

Performance for aux/luffing (drum #6) 28 mm wire rope 13 600 kg maximum line pull

| Single line pull kg | Single line pull/single line speed m/min | | | | | | |
|---------------------|--|----|----|----|----|-----|-----|
| | Layer | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 0 | 73 | 79 | 85 | 91 | 96 | 102 | 108 |
| 2270 | 72 | 77 | 83 | 89 | 94 | 100 | 105 |
| 4535 | 71 | 76 | 81 | 87 | 92 | 97 | 102 |
| 6805 | 69 | 75 | 80 | 85 | 90 | 90 | 91 |
| 9070 | 67 | 68 | 69 | 69 | 70 | 71 | 71 |
| 11340 | 55 | 56 | 57 | 58 | 58 | 59 | 59 |
| 16670 | 48 | 48 | 49 | 50 | 50 | 51 | 52 |

Performance for main (drum #1) 28 mm wire rope 16 670 kg maximum line pull

| Single line pull kg | Single line pull/single line speed m/min | | | | | | | |
|---------------------|--|-----|-----|-----|-----|-----|-----|-----|
| | Layer | | | | | | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 0 | 105 | 113 | 122 | 130 | 138 | 147 | 155 | 163 |
| 2270 | 103 | 112 | 119 | 123 | 135 | 143 | 151 | 159 |
| 4536 | 102 | 109 | 117 | 125 | 132 | 140 | 148 | 155 |
| 6805 | 100 | 107 | 115 | 117 | 118 | 119 | 119 | 120 |
| 9070 | 89 | 89 | 90 | 91 | 91 | 92 | 92 | 93 |
| 11340 | 73 | 73 | 74 | 74 | 75 | 76 | 76 | 77 |
| 13610 | 52 | 52 | 53 | 54 | 54 | 55 | 55 | 56 |

For specific configurations refer to www.cranelibrary.com.

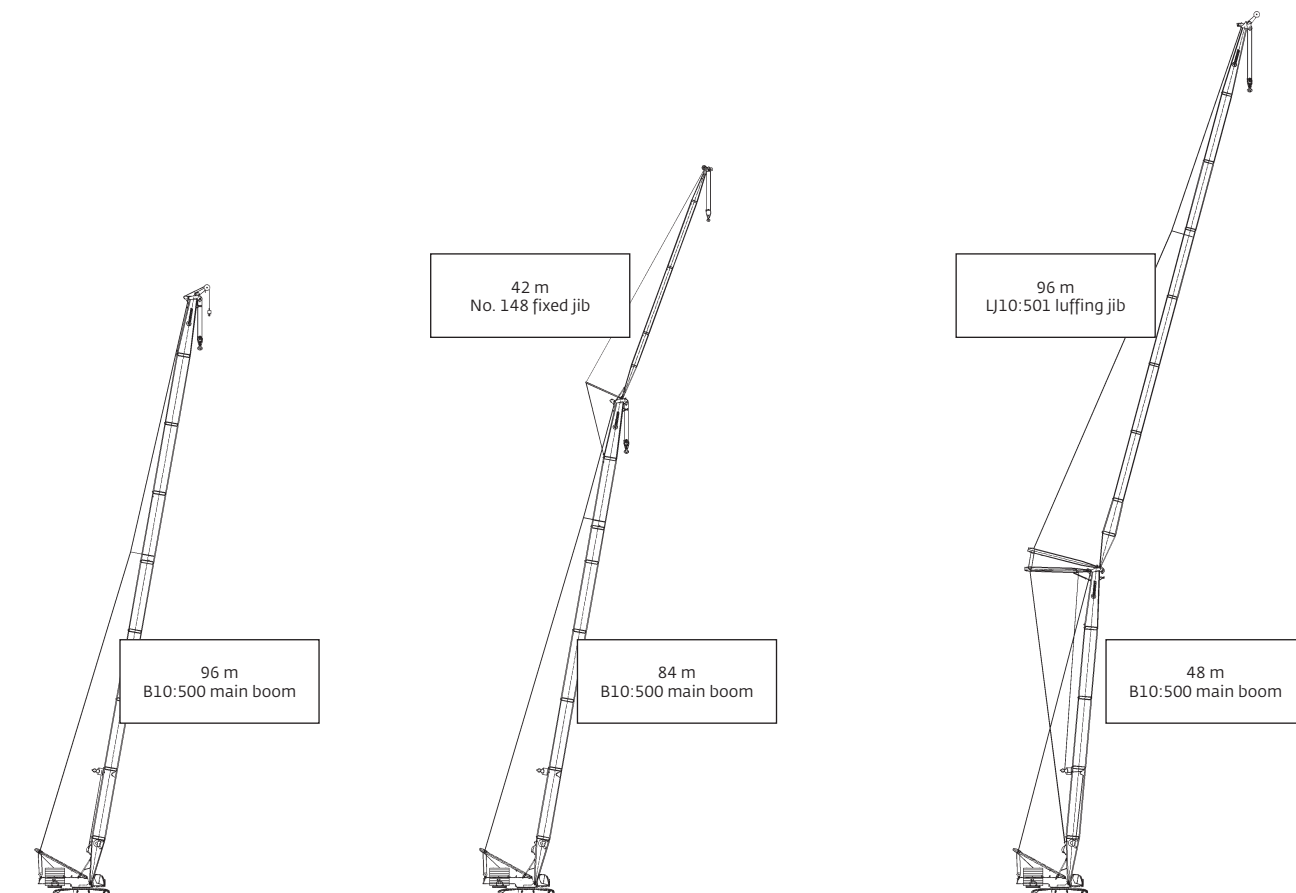
Boom combinations

| B10:500 main boom combinations | | | | |
|--------------------------------|---------------------|--------|--------|--------|
| Boom length m | Main boom inserts m | | | |
| | 6,0 M | 12,0 H | 12,0 M | 12,0 L |
| 30 | 0 | 1 | 0 | 0 |
| 36 | 1 | 1 | 0 | 0 |
| 42 | 0 | 1 | 1 | 0 |
| 48 | 1 | 1 | 1 | 0 |
| 54 | 0 | 1 | 2 | 0 |
| 60 | 1 | 1 | 2 | 0 |
| 66 | 0 | 1 | 3 | 0 |
| 72 | 1 | 1 | 3 | 0 |
| 78 | 0 | 1 | 3 | 1 |
| 84 | 1 | 1 | 3 | 1 |
| 90 | 0 | 1 | 3 | 2 |
| 96 | 1 | 1 | 3 | 2 |
| 102 | 0 | 1 | 3 | 3 |

| No. 148 fixed Jib combinations | | |
|--------------------------------|---------------------|------|
| Fixed jib m | Fixed Jib inserts m | |
| | 6,0 | 12,0 |
| 12,0 | 0 | 0 |
| 18,0 | 1 | 0 |
| 24,0 | 0 | 1 |
| 30,0 | 1 | 1 |
| 36,0 | 0 | 2 |
| 42,0 | 1 | 2 |

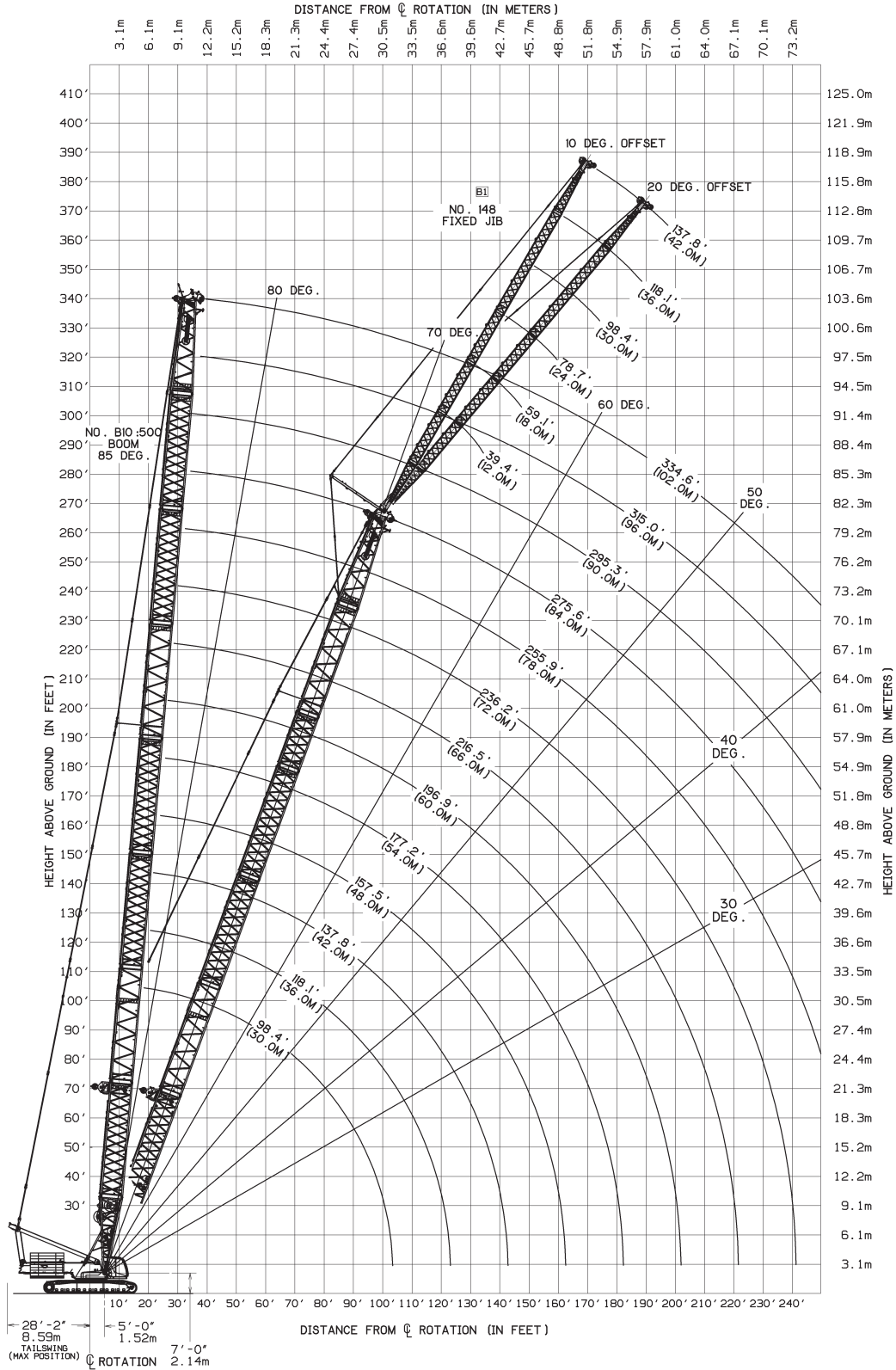
| LJ10:501 luffing jib combinations | | |
|-----------------------------------|-----------------------|------|
| Luffing jib length m | Luffing jib inserts m | |
| | 6,0 | 12,0 |
| 24 | 0 | 0 |
| 30 | 1 | 0 |
| 36 | 0 | 1 |
| 42 | 1 | 1 |
| 48 | 0 | 2 |
| 54 | 1 | 2 |
| 60 | 0 | 3 |
| 66 | 1 | 3 |
| 72 | 0 | 4 |
| 78 | 1 | 4 |
| 84 | 0 | 5 |
| 90 | 1 | 5 |
| 96 | 0 | 6 |

H - heavy inserts
M - medium inserts
L - light inserts



Main boom range diagram

B10:500 boom

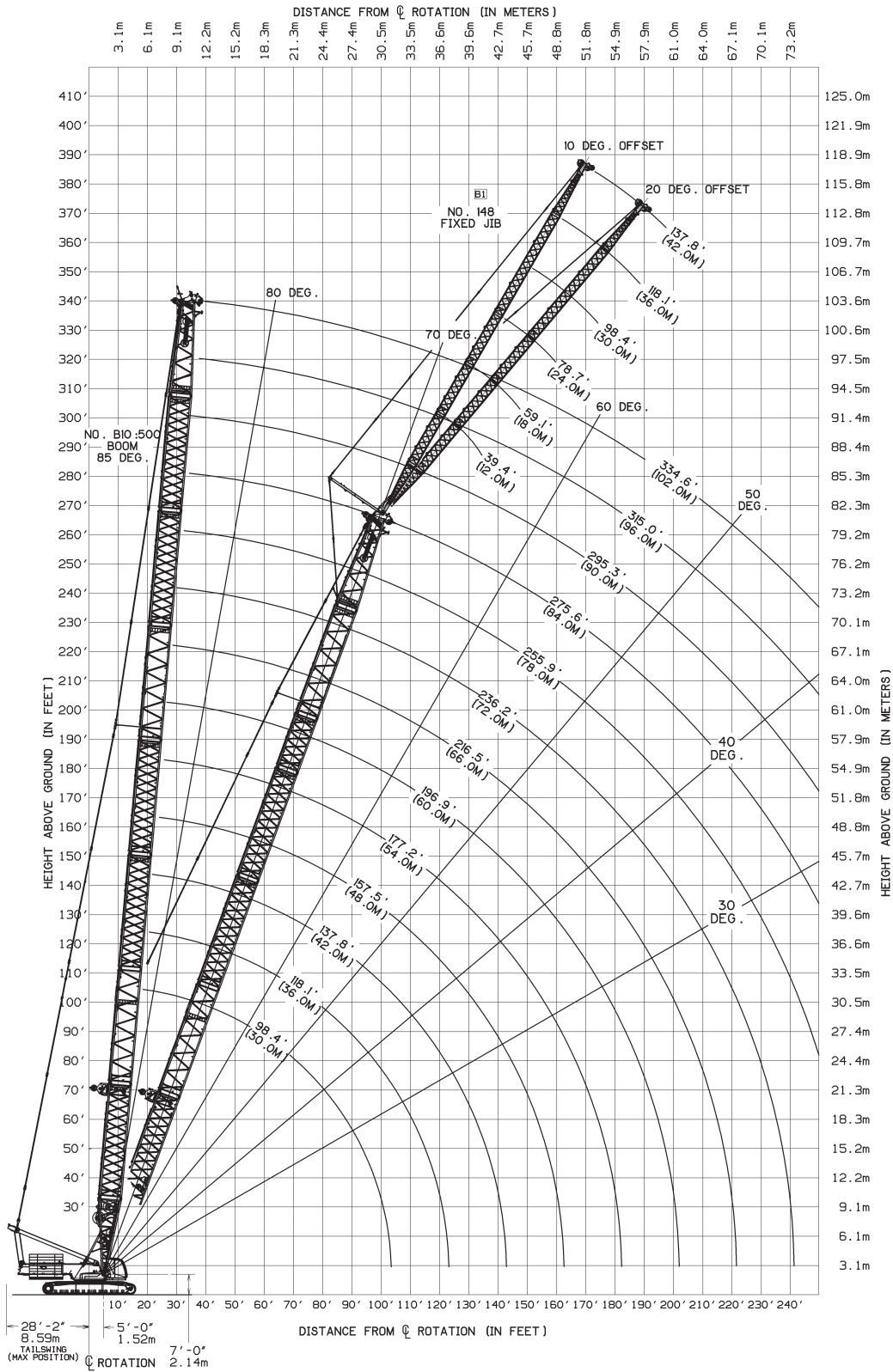


THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

Fixed jib range diagram

No. 148 fixed jib on B10:500 boom



THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.
 The individual crane's load chart, operating manual and safety instructions must be read and understood prior to operating the crane.

Fixed jib load charts

No. 148 fixed jib on B10:500 boom Series 3

215,2 t counterweight

360° Rating

kg x 1000

| 12 m jib length | | 10° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 90 | |
| 10,0 | 65,0 | 65,0 | — | — | — | |
| 12,0 | 65,0 | 65,0 | 65,0 | — | — | |
| 14,0 | 65,0 | 65,0 | 65,0 | 63,8 | 55,3 | |
| 16,0 | 65,0 | 65,0 | 65,0 | 63,4 | 52,1 | |
| 18,0 | 61,8 | 65,0 | 65,0 | 63,0 | 49,2 | |
| 20,0 | 56,8 | 64,7 | 65,0 | 61,7 | 46,5 | |
| 24,0 | 49,0 | 57,6 | 64,5 | 56,7 | 41,9 | |
| 28,0 | 43,2 | 51,2 | 56,9 | 52,5 | 38,0 | |
| 32,0 | 38,6 | 46,1 | 48,1 | 48,8 | 34,7 | |
| 36,0 | 35,1 | 40,6 | 41,6 | 42,4 | 31,9 | |
| 40,0 | 32,4 | 35,6 | 36,5 | 37,0 | 29,5 | |
| 44,0 | — | 31,5 | 32,3 | 31,5 | 27,3 | |
| 48,0 | — | 28,2 | 29,0 | 26,9 | 25,2 | |
| 52,0 | — | 25,4 | 25,8 | 23,1 | 21,5 | |
| 56,0 | — | — | 22,4 | 19,8 | 18,2 | |
| 60,0 | — | — | 19,4 | 16,9 | 15,4 | |
| 64,0 | — | — | 16,6 | 14,4 | 12,9 | |
| 68,0 | — | — | 14,1 | 12,1 | 10,7 | |
| 72,0 | — | — | — | 10,1 | 8,7 | |
| 80,0 | — | — | — | 6,5 | 5,3 | |
| 88,0 | — | — | — | 3,3 | — | |

| 12 m jib length | | 20° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 90 | |
| 12,0 | 62,0 | 65,0 | — | — | — | |
| 14,0 | 56,9 | 61,0 | 63,6 | — | — | |
| 16,0 | 52,6 | 57,1 | 61,6 | 58,0 | 46,6 | |
| 18,0 | 48,9 | 53,7 | 58,6 | 55,7 | 44,3 | |
| 20,0 | 45,7 | 50,7 | 55,9 | 53,7 | 42,1 | |
| 24,0 | 40,6 | 45,7 | 51,2 | 49,9 | 38,3 | |
| 28,0 | 36,6 | 41,6 | 47,4 | 46,7 | 35,0 | |
| 32,0 | 33,6 | 38,4 | 44,0 | 43,9 | 32,2 | |
| 36,0 | 31,2 | 35,7 | 41,3 | 41,5 | 29,8 | |
| 40,0 | — | 33,4 | 36,6 | 37,3 | 27,7 | |
| 44,0 | — | 31,5 | 32,4 | 32,1 | 25,8 | |
| 48,0 | — | 28,2 | 29,0 | 27,5 | 24,2 | |
| 52,0 | — | — | 26,2 | 23,6 | 22,1 | |
| 56,0 | — | — | 22,7 | 20,2 | 18,8 | |
| 60,0 | — | — | 19,6 | 17,3 | 15,8 | |
| 64,0 | — | — | 16,8 | 14,7 | 13,3 | |
| 68,0 | — | — | — | 12,4 | 11,0 | |
| 72,0 | — | — | — | 10,3 | 9,0 | |
| 80,0 | — | — | — | 6,7 | 5,5 | |

| 24 m jib length | | 10° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 90 | |
| 14,0 | 37,6 | 38,2 | — | — | — | |
| 16,0 | 36,1 | 37,0 | 37,2 | — | — | |
| 18,0 | 34,7 | 35,8 | 36,3 | 35,5 | — | |
| 20,0 | 33,3 | 34,6 | 35,4 | 34,9 | 32,4 | |
| 24,0 | 30,8 | 32,6 | 33,8 | 33,7 | 31,3 | |
| 28,0 | 27,0 | 30,6 | 32,3 | 32,6 | 28,7 | |
| 32,0 | 23,9 | 27,5 | 31,0 | 31,5 | 26,3 | |
| 36,0 | 21,5 | 24,9 | 29,2 | 30,5 | 24,2 | |
| 40,0 | 19,5 | 22,7 | 26,8 | 29,3 | 22,3 | |
| 44,0 | 17,8 | 20,9 | 24,9 | 27,6 | 20,7 | |
| 48,0 | 16,4 | 19,3 | 23,2 | 26,1 | 19,3 | |
| 52,0 | 15,3 | 18,0 | 21,7 | 24,7 | 18,0 | |
| 56,0 | — | 16,8 | 20,3 | 21,7 | 16,8 | |
| 60,0 | — | 15,8 | 19,2 | 18,8 | 15,8 | |
| 64,0 | — | 15,0 | 18,2 | 16,2 | 14,7 | |
| 68,0 | — | — | 16,6 | 14,0 | 12,4 | |
| 72,0 | — | — | 14,4 | 12,0 | 10,4 | |
| 80,0 | — | — | 10,6 | 8,5 | 7,0 | |
| 88,0 | — | — | — | 5,5 | 4,2 | |

| 24 m jib length | | 20° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 90 | |
| 18,0 | 29,1 | 30,5 | — | — | — | |
| 20,0 | 27,1 | 28,7 | 30,3 | 31,0 | — | |
| 24,0 | 23,8 | 25,7 | 27,6 | 28,8 | 27,6 | |
| 28,0 | 21,2 | 23,2 | 25,4 | 26,8 | 25,5 | |
| 32,0 | 19,1 | 21,2 | 23,5 | 25,1 | 23,5 | |
| 36,0 | 17,4 | 19,5 | 21,9 | 23,6 | 21,9 | |
| 40,0 | 16,0 | 18,0 | 20,4 | 22,2 | 20,4 | |
| 44,0 | 14,9 | 16,8 | 19,2 | 21,0 | 19,0 | |
| 48,0 | 13,9 | 15,8 | 18,1 | 20,0 | 17,8 | |
| 52,0 | — | 14,9 | 17,2 | 19,0 | 16,7 | |
| 56,0 | — | 14,1 | 16,3 | 18,2 | 15,7 | |
| 60,0 | — | 13,5 | 15,6 | 17,4 | 14,8 | |
| 64,0 | — | — | 14,9 | 16,7 | 14,0 | |
| 68,0 | — | — | 14,3 | 14,7 | 13,1 | |
| 72,0 | — | — | 13,8 | 12,6 | 11,1 | |
| 80,0 | — | — | — | 8,9 | 7,6 | |
| 88,0 | — | — | — | 5,9 | 4,6 | |

For complete chart, refer to www.cranelibrary.com.

Fixed jib load charts

No. 148 fixed jib on B10:500 boom Series 3

215,2 t counterweight

360° Rating

kg x 1000

| 30 m jib length | | 10° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 84 | |
| 14,0 | 30,2 | 30,5 | — | — | — | |
| 16,0 | 29,1 | 29,5 | 29,5 | — | — | |
| 18,0 | 27,9 | 28,6 | 28,8 | — | — | |
| 20,0 | 26,8 | 27,7 | 28,2 | 27,7 | 27,4 | |
| 24,0 | 24,5 | 25,9 | 26,9 | 26,7 | 26,5 | |
| 28,0 | 22,5 | 24,1 | 25,6 | 25,8 | 25,7 | |
| 32,0 | 20,7 | 22,5 | 24,2 | 24,8 | 24,8 | |
| 36,0 | 18,8 | 21,0 | 22,9 | 23,9 | 24,0 | |
| 40,0 | 16,9 | 19,6 | 21,8 | 22,9 | 23,1 | |
| 44,0 | 15,3 | 17,9 | 20,7 | 22,0 | 22,2 | |
| 48,0 | 14,0 | 16,5 | 19,7 | 21,1 | 21,4 | |
| 52,0 | 12,9 | 15,2 | 18,3 | 20,3 | 20,7 | |
| 56,0 | 11,9 | 14,1 | 17,1 | 19,5 | 19,9 | |
| 60,0 | — | 13,2 | 16,1 | 18,5 | 18,0 | |
| 64,0 | — | 12,4 | 15,1 | 16,8 | 15,5 | |
| 68,0 | — | 11,6 | 14,2 | 14,6 | 13,2 | |
| 72,0 | — | — | 13,5 | 12,5 | 11,3 | |
| 76,0 | — | — | 12,8 | 10,7 | 9,5 | |
| 80,0 | — | — | 11,5 | 9,1 | 7,8 | |
| 88,0 | — | — | 8,2 | 6,2 | 5,0 | |

| 30 m jib length | | 20° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 84 | |
| 20,0 | 23,9 | 24,5 | — | — | — | |
| 24,0 | 21,1 | 22,5 | 23,6 | 23,6 | 23,5 | |
| 28,0 | 18,6 | 20,1 | 21,9 | 22,7 | 22,7 | |
| 32,0 | 16,6 | 18,2 | 20,1 | 21,3 | 21,8 | |
| 36,0 | 15,0 | 16,6 | 18,6 | 20,0 | 20,4 | |
| 40,0 | 13,6 | 15,3 | 17,3 | 18,7 | 19,2 | |
| 44,0 | 12,5 | 14,2 | 16,1 | 17,6 | 18,1 | |
| 48,0 | 11,6 | 13,2 | 15,1 | 16,6 | 17,1 | |
| 52,0 | 10,8 | 12,3 | 14,2 | 15,7 | 16,2 | |
| 56,0 | 10,1 | 11,6 | 13,4 | 14,9 | 15,4 | |
| 60,0 | — | 10,9 | 12,7 | 14,2 | 14,7 | |
| 64,0 | — | 10,4 | 12,1 | 13,6 | 14,1 | |
| 68,0 | — | 9,9 | 11,5 | 13,0 | 13,5 | |
| 72,0 | — | — | 11,0 | 12,5 | 12,1 | |
| 76,0 | — | — | 10,6 | 11,5 | 10,3 | |
| 80,0 | — | — | 10,2 | 9,7 | 8,6 | |
| 88,0 | — | — | — | 6,7 | 5,6 | |
| 96,0 | — | — | — | 4,1 | 3,0 | |

| 42 m jib length | | 10° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 84 | |
| 16,0 | 19,7 | — | — | — | — | |
| 18,0 | 18,7 | 19,2 | — | — | — | |
| 20,0 | 17,8 | 18,4 | 18,8 | 17,9 | 17,6 | |
| 24,0 | 16,1 | 16,9 | 17,6 | 17,3 | 17,1 | |
| 28,0 | 14,5 | 15,5 | 16,5 | 16,7 | 16,5 | |
| 32,0 | 13,1 | 14,2 | 15,4 | 15,9 | 16,0 | |
| 36,0 | 11,8 | 13,1 | 14,3 | 15,1 | 15,2 | |
| 40,0 | 10,7 | 12,0 | 13,4 | 14,2 | 14,4 | |
| 44,0 | 9,7 | 11,0 | 12,5 | 13,4 | 13,7 | |
| 48,0 | 8,9 | 10,1 | 11,7 | 12,7 | 13,0 | |
| 52,0 | 8,1 | 9,3 | 10,9 | 12,0 | 12,3 | |
| 56,0 | 7,4 | 8,6 | 10,2 | 11,4 | 11,7 | |
| 60,0 | 6,8 | 8,0 | 9,5 | 10,8 | 11,1 | |
| 64,0 | 6,2 | 7,4 | 9,0 | 10,2 | 10,5 | |
| 68,0 | 5,8 | 6,9 | 8,4 | 9,7 | 10,0 | |
| 72,0 | — | 6,4 | 7,9 | 9,2 | 9,5 | |
| 76,0 | — | 6,0 | 7,5 | 8,7 | 9,1 | |
| 80,0 | — | 5,7 | 7,0 | 8,2 | 8,6 | |
| 88,0 | — | — | 6,3 | 7,3 | 6,1 | |
| 96,0 | — | — | 5,7 | 5,0 | 3,8 | |

| 42 m jib length | | 20° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 84 | |
| 24,0 | 14,2 | 14,6 | — | — | — | |
| 28,0 | 12,9 | 13,4 | 14,0 | 14,1 | 14,2 | |
| 32,0 | 11,7 | 12,4 | 13,1 | 13,4 | 13,5 | |
| 36,0 | 10,6 | 11,4 | 12,2 | 12,7 | 12,8 | |
| 40,0 | 9,7 | 10,5 | 11,5 | 12,0 | 12,2 | |
| 44,0 | 8,9 | 9,7 | 10,7 | 11,4 | 11,6 | |
| 48,0 | 8,1 | 9,0 | 10,1 | 10,9 | 11,0 | |
| 52,0 | 7,5 | 8,4 | 9,5 | 10,3 | 10,5 | |
| 56,0 | 6,9 | 7,8 | 9,0 | 9,8 | 10,0 | |
| 60,0 | 6,4 | 7,3 | 8,4 | 9,3 | 9,6 | |
| 64,0 | 5,9 | 6,8 | 8,0 | 8,9 | 9,1 | |
| 68,0 | 5,6 | 6,4 | 7,5 | 8,4 | 8,7 | |
| 72,0 | — | 6,1 | 7,1 | 8,1 | 8,3 | |
| 76,0 | — | 5,7 | 6,8 | 7,7 | 8,0 | |
| 80,0 | — | 5,5 | 6,4 | 7,3 | 7,7 | |
| 88,0 | — | — | 5,9 | 6,7 | 7,0 | |
| 96,0 | — | — | 5,5 | 5,6 | 4,5 | |
| 104,0 | — | — | — | 3,4 | — | |

For complete chart, refer to www.cranelibrary.com.

Fixed jib load charts

No. 148 fixed jib on B10:500 boom Series 2

175,2 t counterweight

360° Rating

kg x 1000

| 12 m jib length | | 10° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 90 | |
| 10,0 | 65,0 | 65,0 | — | — | — | |
| 12,0 | 65,0 | 65,0 | 65,0 | — | — | |
| 14,0 | 65,0 | 65,0 | 65,0 | 63,8 | 55,3 | |
| 16,0 | 65,0 | 65,0 | 65,0 | 63,4 | 52,1 | |
| 18,0 | 61,8 | 65,0 | 65,0 | 63,0 | 49,2 | |
| 20,0 | 56,8 | 64,7 | 65,0 | 61,7 | 46,5 | |
| 24,0 | 49,0 | 57,6 | 60,3 | 56,7 | 41,9 | |
| 28,0 | 43,2 | 48,4 | 49,6 | 50,7 | 38,0 | |
| 32,0 | 38,6 | 40,8 | 41,9 | 42,8 | 34,7 | |
| 36,0 | 34,6 | 35,1 | 36,1 | 36,9 | 31,9 | |
| 40,0 | 30,2 | 30,7 | 31,6 | 31,2 | 29,4 | |
| 44,0 | — | 27,1 | 27,9 | 26,5 | 25,4 | |
| 48,0 | — | 24,2 | 24,1 | 22,5 | 21,5 | |
| 52,0 | — | 21,7 | 20,9 | 19,3 | 18,2 | |
| 56,0 | — | — | 18,1 | 16,5 | 15,4 | |
| 60,0 | — | — | 15,7 | 14,1 | 13,0 | |
| 64,0 | — | — | 13,6 | 12,0 | 10,9 | |
| 68,0 | — | — | 11,7 | 10,2 | 9,1 | |
| 72,0 | — | — | — | 8,5 | 7,5 | |
| 76,0 | — | — | — | 7,1 | 6,0 | |
| 80,0 | — | — | — | 5,8 | 4,4 | |

| 12 m jib length | | 20° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 90 | |
| 12,0 | 62,0 | 65,0 | — | — | — | |
| 14,0 | 56,9 | 61,0 | 63,6 | — | — | |
| 16,0 | 52,6 | 57,1 | 61,6 | 58,0 | 46,6 | |
| 18,0 | 48,9 | 53,7 | 58,6 | 55,7 | 44,3 | |
| 20,0 | 45,7 | 50,7 | 55,9 | 53,7 | 42,1 | |
| 24,0 | 40,6 | 45,7 | 51,2 | 49,9 | 38,3 | |
| 28,0 | 36,6 | 41,6 | 47,4 | 46,7 | 35,0 | |
| 32,0 | 33,6 | 38,4 | 42,1 | 43,0 | 32,2 | |
| 36,0 | 31,2 | 35,2 | 36,3 | 37,1 | 29,8 | |
| 40,0 | — | 30,8 | 31,7 | 31,9 | 27,7 | |
| 44,0 | — | 27,2 | 28,0 | 27,0 | 25,8 | |
| 48,0 | — | 24,2 | 24,5 | 23,0 | 22,0 | |
| 52,0 | — | — | 21,2 | 19,7 | 18,7 | |
| 56,0 | — | — | 18,3 | 16,9 | 15,8 | |
| 60,0 | — | — | 15,9 | 14,4 | 13,4 | |
| 64,0 | — | — | 13,7 | 12,3 | 11,3 | |
| 68,0 | — | — | — | 10,4 | 9,4 | |
| 72,0 | — | — | — | 8,7 | 7,7 | |
| 76,0 | — | — | — | 7,2 | 6,2 | |
| 80,0 | — | — | — | 5,9 | 4,6 | |

| 24 m jib length | | 10° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 90 | |
| 14,0 | 37,6 | 38,2 | — | — | — | |
| 16,0 | 36,1 | 37,0 | 37,2 | — | — | |
| 18,0 | 34,7 | 35,8 | 36,3 | 35,5 | — | |
| 20,0 | 33,3 | 34,6 | 35,4 | 34,9 | 32,4 | |
| 24,0 | 30,8 | 32,6 | 33,8 | 33,7 | 31,3 | |
| 28,0 | 27,0 | 30,6 | 32,3 | 32,6 | 28,7 | |
| 32,0 | 23,9 | 27,5 | 31,0 | 31,5 | 26,3 | |
| 36,0 | 21,5 | 24,9 | 29,2 | 30,5 | 24,2 | |
| 40,0 | 19,5 | 22,7 | 26,8 | 29,3 | 22,3 | |
| 44,0 | 17,8 | 20,9 | 24,9 | 27,6 | 20,7 | |
| 48,0 | 16,4 | 19,3 | 23,2 | 24,3 | 19,3 | |
| 52,0 | 15,3 | 18,0 | 21,7 | 21,0 | 18,0 | |
| 56,0 | — | 16,8 | 19,8 | 18,1 | 16,8 | |
| 60,0 | — | 15,8 | 17,4 | 15,7 | 14,6 | |
| 64,0 | — | 15,0 | 15,2 | 13,6 | 12,5 | |
| 68,0 | — | — | 13,4 | 11,7 | 10,6 | |
| 72,0 | — | — | 11,7 | 10,0 | 8,9 | |
| 76,0 | — | — | 10,2 | 8,6 | 7,5 | |
| 80,0 | — | — | 8,8 | 7,2 | 6,1 | |

| 24 m jib length | | 20° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 90 | |
| 18,0 | 29,1 | 30,5 | — | — | — | |
| 20,0 | 27,1 | 28,7 | 30,3 | 31,0 | — | |
| 24,0 | 23,8 | 25,7 | 27,6 | 28,8 | 27,6 | |
| 28,0 | 21,2 | 23,2 | 25,4 | 26,8 | 25,5 | |
| 32,0 | 19,1 | 21,2 | 23,5 | 25,1 | 23,5 | |
| 36,0 | 17,4 | 19,5 | 21,9 | 23,6 | 21,9 | |
| 40,0 | 16,0 | 18,0 | 20,4 | 22,2 | 20,4 | |
| 44,0 | 14,9 | 16,8 | 19,2 | 21,0 | 19,0 | |
| 48,0 | 13,9 | 15,8 | 18,1 | 20,0 | 17,8 | |
| 52,0 | — | 14,9 | 17,2 | 19,0 | 16,7 | |
| 56,0 | — | 14,1 | 16,3 | 18,2 | 15,7 | |
| 60,0 | — | 13,5 | 15,6 | 16,4 | 14,8 | |
| 64,0 | — | — | 14,9 | 14,2 | 13,2 | |
| 68,0 | — | — | 13,7 | 12,2 | 11,2 | |
| 72,0 | — | — | 12,0 | 10,5 | 9,5 | |
| 76,0 | — | — | 10,4 | 9,0 | 8,0 | |
| 80,0 | — | — | — | 7,6 | 6,6 | |
| 88,0 | — | — | — | 5,1 | 3,8 | |

For complete chart, refer to www.cranelibrary.com.

Fixed jib load charts

No. 148 fixed jib on B10:500 boom Series 2

175,2 t counterweight

360° Rating

kg x 1000

| 30 m jib length | | 10° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 84 | |
| 14,0 | 30,2 | 30,5 | — | — | — | |
| 16,0 | 29,1 | 29,5 | 29,5 | — | — | |
| 18,0 | 27,9 | 28,6 | 28,8 | — | — | |
| 20,0 | 26,8 | 27,7 | 28,2 | 27,7 | 27,4 | |
| 24,0 | 24,5 | 25,9 | 26,9 | 26,7 | 26,5 | |
| 28,0 | 22,5 | 24,1 | 25,6 | 25,8 | 25,7 | |
| 32,0 | 20,7 | 22,5 | 24,2 | 24,8 | 24,8 | |
| 36,0 | 18,8 | 21,0 | 22,9 | 23,9 | 24,0 | |
| 40,0 | 16,9 | 19,6 | 21,8 | 22,9 | 23,1 | |
| 44,0 | 15,3 | 17,9 | 20,7 | 22,0 | 22,2 | |
| 48,0 | 14,0 | 16,5 | 19,7 | 21,1 | 21,4 | |
| 52,0 | 12,9 | 15,2 | 18,3 | 20,3 | 20,6 | |
| 56,0 | 11,9 | 14,1 | 17,1 | 18,6 | 17,9 | |
| 60,0 | — | 13,2 | 16,1 | 16,2 | 15,4 | |
| 64,0 | — | 12,4 | 15,1 | 14,0 | 13,3 | |
| 68,0 | — | 11,6 | 13,9 | 12,2 | 11,4 | |
| 72,0 | — | — | 12,3 | 10,5 | 9,7 | |
| 76,0 | — | — | 10,8 | 9,1 | 8,3 | |
| 80,0 | — | — | 9,4 | 7,7 | 6,9 | |
| 88,0 | — | — | 7,0 | 5,4 | 4,4 | |

| 30 m jib length | | 20° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 84 | |
| 20,0 | 23,9 | 24,5 | — | — | — | |
| 24,0 | 21,1 | 22,5 | 23,6 | 23,6 | 23,5 | |
| 28,0 | 18,6 | 20,1 | 21,9 | 22,7 | 22,7 | |
| 32,0 | 16,6 | 18,2 | 20,1 | 21,3 | 21,8 | |
| 36,0 | 15,0 | 16,6 | 18,6 | 20,0 | 20,4 | |
| 40,0 | 13,6 | 15,3 | 17,3 | 18,7 | 19,2 | |
| 44,0 | 12,5 | 14,2 | 16,1 | 17,6 | 18,1 | |
| 48,0 | 11,6 | 13,2 | 15,1 | 16,6 | 17,1 | |
| 52,0 | 10,8 | 12,3 | 14,2 | 15,7 | 16,2 | |
| 56,0 | 10,1 | 11,6 | 13,4 | 14,9 | 15,4 | |
| 60,0 | — | 10,9 | 12,7 | 14,2 | 14,7 | |
| 64,0 | — | 10,4 | 12,1 | 13,6 | 14,1 | |
| 68,0 | — | 9,9 | 11,5 | 12,8 | 12,2 | |
| 72,0 | — | — | 11,0 | 11,2 | 10,4 | |
| 76,0 | — | — | 10,6 | 9,6 | 8,9 | |
| 80,0 | — | — | 9,7 | 8,2 | 7,5 | |
| 88,0 | — | — | — | 5,8 | 5,0 | |

| 42 m jib length | | 10° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 84 | |
| 16,0 | 19,7 | — | — | — | — | |
| 18,0 | 18,7 | 19,2 | — | — | — | |
| 20,0 | 17,8 | 18,4 | 18,8 | 17,9 | 17,6 | |
| 24,0 | 16,1 | 16,9 | 17,6 | 17,3 | 17,1 | |
| 28,0 | 14,5 | 15,5 | 16,5 | 16,7 | 16,5 | |
| 32,0 | 13,1 | 14,2 | 15,4 | 15,9 | 16,0 | |
| 36,0 | 11,8 | 13,1 | 14,3 | 15,1 | 15,2 | |
| 40,0 | 10,7 | 12,0 | 13,4 | 14,2 | 14,4 | |
| 44,0 | 9,7 | 11,0 | 12,5 | 13,4 | 13,7 | |
| 48,0 | 8,9 | 10,1 | 11,7 | 12,7 | 13,0 | |
| 52,0 | 8,1 | 9,3 | 10,9 | 12,0 | 12,3 | |
| 56,0 | 7,4 | 8,6 | 10,2 | 11,4 | 11,7 | |
| 60,0 | 6,8 | 8,0 | 9,5 | 10,8 | 11,1 | |
| 64,0 | 6,2 | 7,4 | 9,0 | 10,2 | 10,5 | |
| 68,0 | 5,8 | 6,9 | 8,4 | 9,7 | 10,0 | |
| 72,0 | — | 6,4 | 7,9 | 9,2 | 9,5 | |
| 76,0 | — | 6,0 | 7,5 | 8,7 | 9,1 | |
| 80,0 | — | 5,7 | 7,0 | 8,2 | 7,8 | |
| 88,0 | — | — | 6,3 | 6,3 | 5,5 | |
| 96,0 | — | — | 5,7 | 4,3 | 3,2 | |

| 42 m jib length | | 20° offset | | | | |
|-----------------|---------------|------------|------|------|------|--|
| Radius m | boom length m | | | | | |
| | 30 | 42 | 60 | 78 | 84 | |
| 24,0 | 14,2 | 14,6 | — | — | — | |
| 28,0 | 12,9 | 13,4 | 14,0 | 14,1 | 14,2 | |
| 32,0 | 11,7 | 12,4 | 13,1 | 13,4 | 13,5 | |
| 36,0 | 10,6 | 11,4 | 12,2 | 12,7 | 12,8 | |
| 40,0 | 9,7 | 10,5 | 11,5 | 12,0 | 12,2 | |
| 44,0 | 8,9 | 9,7 | 10,7 | 11,4 | 11,6 | |
| 48,0 | 8,1 | 9,0 | 10,1 | 10,9 | 11,0 | |
| 52,0 | 7,5 | 8,4 | 9,5 | 10,3 | 10,5 | |
| 56,0 | 6,9 | 7,8 | 9,0 | 9,8 | 10,0 | |
| 60,0 | 6,4 | 7,3 | 8,4 | 9,3 | 9,6 | |
| 64,0 | 5,9 | 6,8 | 8,0 | 8,9 | 9,1 | |
| 68,0 | 5,6 | 6,4 | 7,5 | 8,4 | 8,7 | |
| 72,0 | — | 6,1 | 7,1 | 8,1 | 8,3 | |
| 76,0 | — | 5,7 | 6,8 | 7,7 | 8,0 | |
| 80,0 | — | 5,5 | 6,4 | 7,3 | 7,7 | |
| 88,0 | — | — | 5,9 | 6,7 | 6,2 | |
| 96,0 | — | — | 5,5 | 4,9 | 3,9 | |

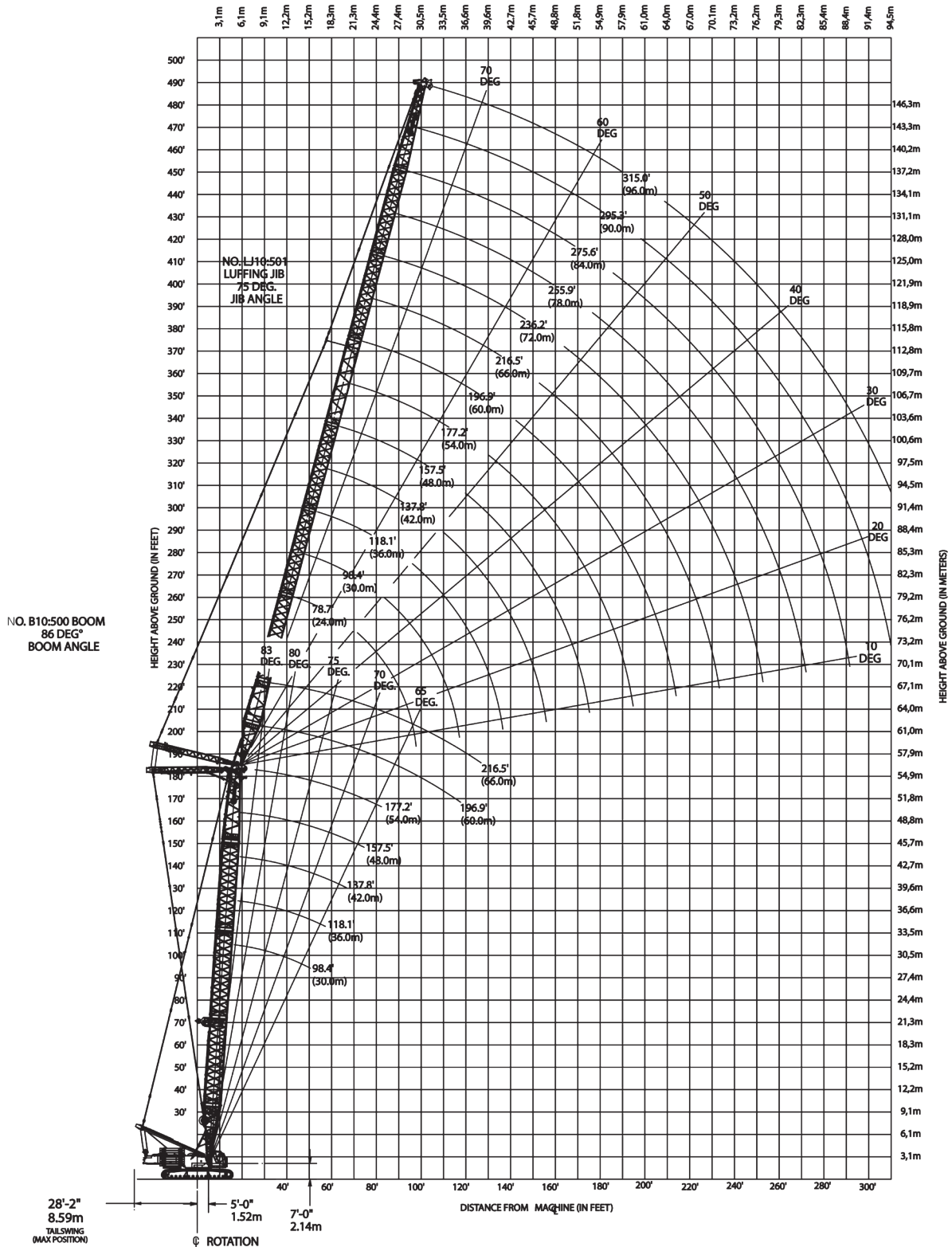
For complete chart, refer to www.cranelibrary.com.

THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

Luffing jib range diagram

LJ10:501 luffing jib on B10:500 boom



THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

Luffing jib load charts

LJ10:501 luffing jib on B10:500 boom Series 3

215,2 t counterweight

360° Rating

kg x 1000

86° boom angle

| 30 m boom length | | | | | |
|------------------|----------------------|------|------|------|------|
| Radius m | Luffing jib length m | | | | |
| | 24 | 42 | 60 | 78 | 90 |
| 11,6 | 150,0 | — | — | — | — |
| 12 | 144,1 | — | — | — | — |
| 14 | 126,4 | — | — | — | — |
| 16 | 112,9 | — | — | — | — |
| 18 | 101,8 | 89,0 | — | — | — |
| 20 | 92,5 | 83,3 | — | — | — |
| 22 | 84,3 | 77,5 | 59,8 | — | — |
| 24 | 76,0 | 71,7 | 58,3 | — | — |
| 26 | 69,2 | 66,6 | 57,0 | 34,2 | — |
| 28 | — | 62,2 | 55,3 | 33,6 | — |
| 30 | — | 58,2 | 52,8 | 33,0 | 22,9 |
| 34 | — | 51,3 | 46,9 | 31,9 | 22,0 |
| 38 | — | 45,2 | 42,0 | 30,9 | 21,1 |
| 42 | — | 39,4 | 37,8 | 29,9 | 20,2 |
| 46 | — | — | 34,3 | 29,0 | 19,5 |
| 50 | — | — | 31,2 | 28,0 | 18,8 |
| 54 | — | — | 28,5 | 25,6 | 18,2 |
| 58 | — | — | 25,2 | 23,4 | 17,6 |
| 62 | — | — | 19,9 | 20,8 | 17,1 |
| 66 | — | — | — | 18,2 | 16,6 |
| 70 | — | — | — | 15,8 | 16,2 |
| 74 | — | — | — | 13,5 | 15,3 |
| 78 | — | — | — | 11,3 | 14,0 |
| 82 | — | — | — | — | 12,9 |
| 86 | — | — | — | — | 10,9 |
| 90 | — | — | — | — | 7,9 |

| 42 m boom length | | | | | |
|------------------|----------------------|------|------|------|------|
| Radius m | Luffing jib length m | | | | |
| | 24 | 42 | 60 | 78 | 90 |
| 12,2 | 141,5 | — | — | — | — |
| 14 | 130,6 | — | — | — | — |
| 16 | 118,4 | — | — | — | — |
| 18 | 105,6 | — | — | — | — |
| 20 | 93,8 | 82,5 | — | — | — |
| 22 | 84,7 | 77,8 | — | — | — |
| 24 | 77,0 | 73,3 | 53,8 | — | — |
| 26 | 70,1 | 68,5 | 53,4 | — | — |
| 28 | 63,6 | 64,0 | 52,9 | 31,0 | — |
| 30 | — | 59,8 | 51,7 | 30,6 | — |
| 34 | — | 52,1 | 48,1 | 29,8 | 20,9 |
| 38 | — | 46,0 | 44,8 | 29,0 | 20,1 |
| 42 | — | 41,1 | 41,5 | 28,3 | 19,5 |
| 46 | — | — | 37,6 | 27,5 | 18,8 |
| 50 | — | — | 33,6 | 26,9 | 18,2 |
| 54 | — | — | 29,5 | 25,7 | 17,6 |
| 58 | — | — | 25,5 | 23,3 | 17,1 |
| 62 | — | — | 21,6 | 20,9 | 16,6 |
| 66 | — | — | — | 18,5 | 16,2 |
| 70 | — | — | — | 16,1 | 15,8 |
| 74 | — | — | — | 13,9 | 15,5 |
| 78 | — | — | — | 11,8 | 14,2 |
| 82 | — | — | — | 9,9 | 12,4 |
| 86 | — | — | — | — | 10,6 |
| 90 | — | — | — | — | 8,8 |
| 94 | — | — | — | — | 6,6 |

| 48 m boom length | | | | | |
|------------------|----------------------|------|------|------|------|
| Radius m | Luffing jib length m | | | | |
| | 24 | 42 | 60 | 78 | 90 |
| 13,7 | 126,4 | — | — | — | — |
| 14 | 124,9 | — | — | — | — |
| 16 | 114,5 | — | — | — | — |
| 18 | 104,9 | — | — | — | — |
| 20 | 93,8 | 81,2 | — | — | — |
| 22 | 84,6 | 76,9 | — | — | — |
| 24 | 77,3 | 72,8 | 49,8 | — | — |
| 26 | 70,6 | 68,7 | 49,5 | — | — |
| 28 | 64,1 | 64,3 | 49,1 | 29,5 | — |
| 30 | — | 60,1 | 48,6 | 29,2 | — |
| 34 | — | 52,4 | 47,2 | 28,5 | 20,1 |
| 38 | — | 46,3 | 44,1 | 27,8 | 19,5 |
| 42 | — | 40,6 | 40,8 | 27,1 | 18,9 |
| 46 | — | 33,2 | 36,6 | 26,5 | 18,3 |
| 50 | — | — | 32,5 | 25,9 | 17,7 |
| 54 | — | — | 28,5 | 25,2 | 17,2 |
| 58 | — | — | 24,7 | 23,1 | 16,8 |
| 62 | — | — | 21,0 | 20,8 | 16,3 |
| 66 | — | — | — | 18,5 | 15,9 |
| 70 | — | — | — | 16,3 | 15,6 |
| 74 | — | — | — | 14,1 | 15,1 |
| 78 | — | — | — | 12,0 | 13,4 |
| 82 | — | — | — | 10,1 | 11,7 |
| 86 | — | — | — | — | 10,0 |
| 90 | — | — | — | — | 8,2 |
| 94 | — | — | — | — | 6,3 |

| 60 m boom length | | | | | |
|------------------|----------------------|------|------|------|------|
| Radius m | Luffing jib length m | | | | |
| | 24 | 36 | 48 | 54 | 60 |
| 13,7 | 104,9 | — | — | — | — |
| 14 | 103,8 | — | — | — | — |
| 16 | 95,9 | — | — | — | — |
| 18 | 88,4 | 76,1 | — | — | — |
| 20 | 81,6 | 74,2 | 56,8 | — | — |
| 22 | 75,4 | 69,5 | 56,2 | 48,7 | — |
| 24 | 69,8 | 65,2 | 55,3 | 48,2 | 41,5 |
| 26 | 64,6 | 61,2 | 54,3 | 47,5 | 41,1 |
| 28 | 59,6 | 57,5 | 52,6 | 46,8 | 40,7 |
| 30 | — | 54,1 | 49,8 | 46,1 | 40,2 |
| 34 | — | 47,8 | 44,8 | 43,0 | 39,2 |
| 38 | — | 42,3 | 40,4 | 39,0 | 37,4 |
| 42 | — | — | 36,3 | 35,3 | 34,1 |
| 46 | — | — | 32,7 | 32,0 | 31,0 |
| 50 | — | — | 29,3 | 29,0 | 28,3 |
| 54 | — | — | — | 26,1 | 25,7 |
| 58 | — | — | — | 22,5 | 23,3 |
| 62 | — | — | — | — | 20,6 |

For complete chart, refer to www.cranelibrary.com.

Boom combinations

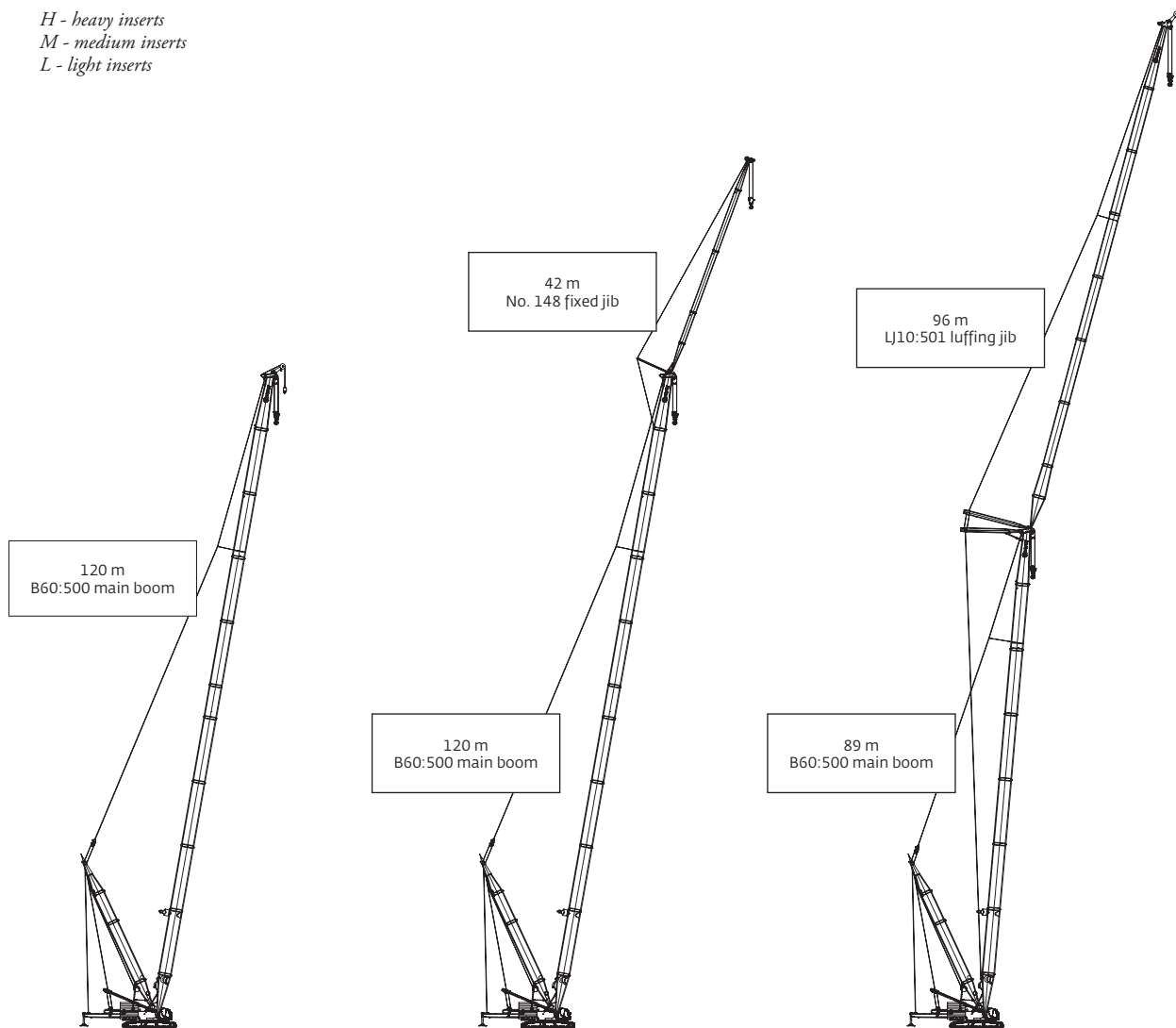
VPC-MAX®

| B60:500 VPC-MAX™ main boom combinations | | | | |
|---|---------------------|--------|--------|--------|
| Boom length m | Main boom inserts m | | | |
| | 6,0 M | 12,0 H | 12,0 M | 12,0 L |
| 42 | 0 | 1 | 1 | 0 |
| 48 | 1 | 1 | 1 | 0 |
| 54 | 0 | 1 | 2 | 0 |
| 60 | 1 | 1 | 2 | 0 |
| 66 | 0 | 1 | 3 | 0 |
| 72 | 1 | 1 | 3 | 0 |
| 78 | 0 | 1 | 3 | 1 |
| 84 | 1 | 1 | 3 | 1 |
| 90 | 0 | 1 | 3 | 2 |
| 96 | 1 | 1 | 3 | 2 |
| 102 | 0 | 1 | 3 | 3 |
| 108 | 1 | 1 | 3 | 3 |
| 114 | 0 | 1 | 4 | 3 |
| 120 | 1 | 1 | 4 | 3 |

| No. 148 fixed jib combinations | | |
|--------------------------------|---------------------|------|
| Fixed jib m | Fixed Jib inserts m | |
| | 6,0 | 12,0 |
| 12,0 | 0 | 0 |
| 18,0 | 1 | 0 |
| 24,0 | 0 | 1 |
| 30,0 | 1 | 1 |
| 36,0 | 0 | 2 |
| 42,0 | 1 | 2 |

| LJ10:501 VPC-MAX™ luffing jib combinations | | |
|--|-----------------------|------|
| Luffing jib length m | Luffing jib inserts m | |
| | 6,0 | 12,0 |
| 24 | 0 | 0 |
| 30 | 1 | 0 |
| 36 | 0 | 1 |
| 42 | 1 | 1 |
| 48 | 0 | 2 |
| 54 | 1 | 2 |
| 60 | 0 | 3 |
| 66 | 1 | 3 |
| 72 | 0 | 4 |
| 78 | 1 | 4 |
| 84 | 0 | 5 |
| 90 | 1 | 5 |
| 96 | 0 | 6 |

H - heavy inserts
M - medium inserts
L - light inserts



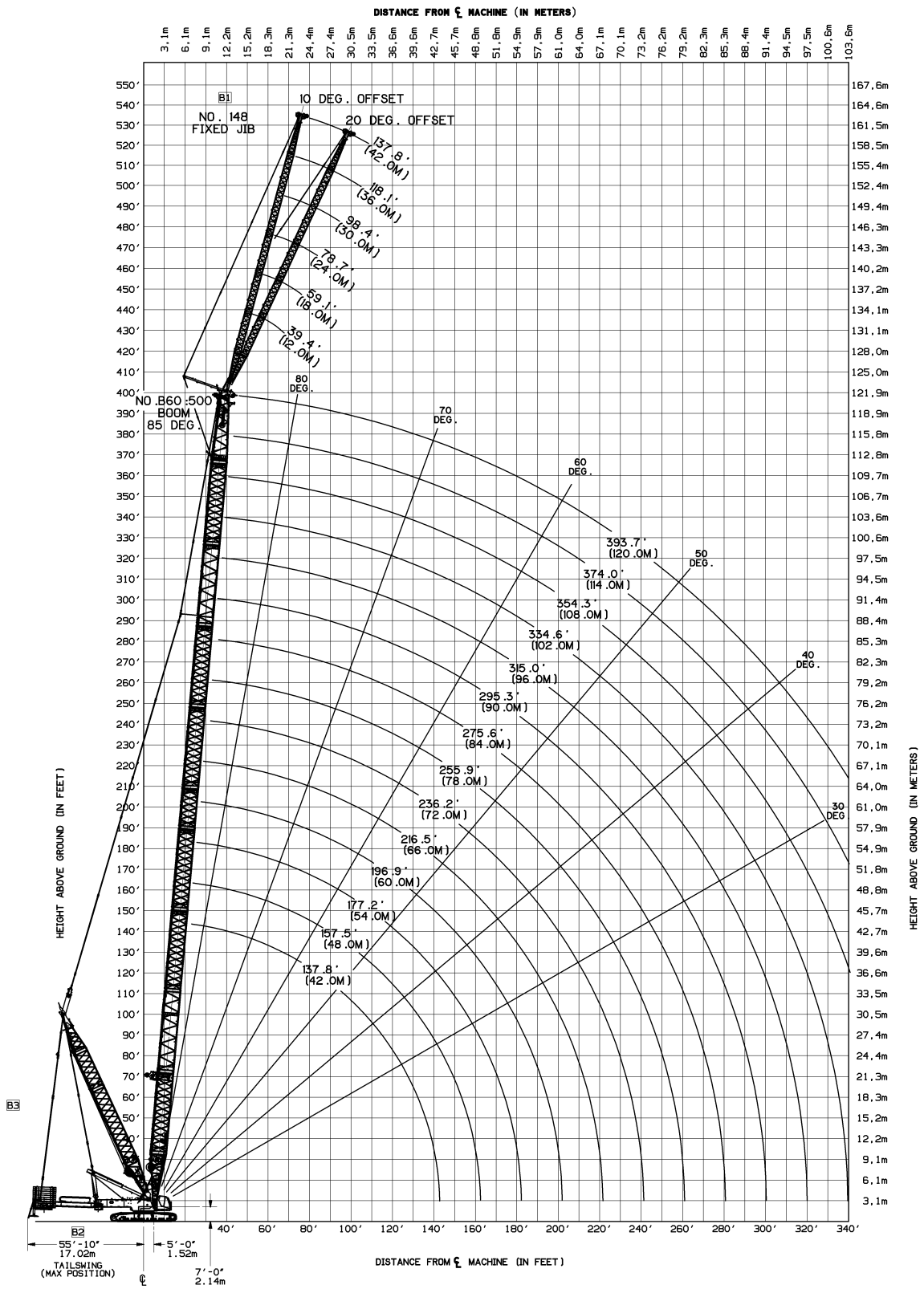
THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE.

The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane

Main boom range diagram

VPC-MAX®

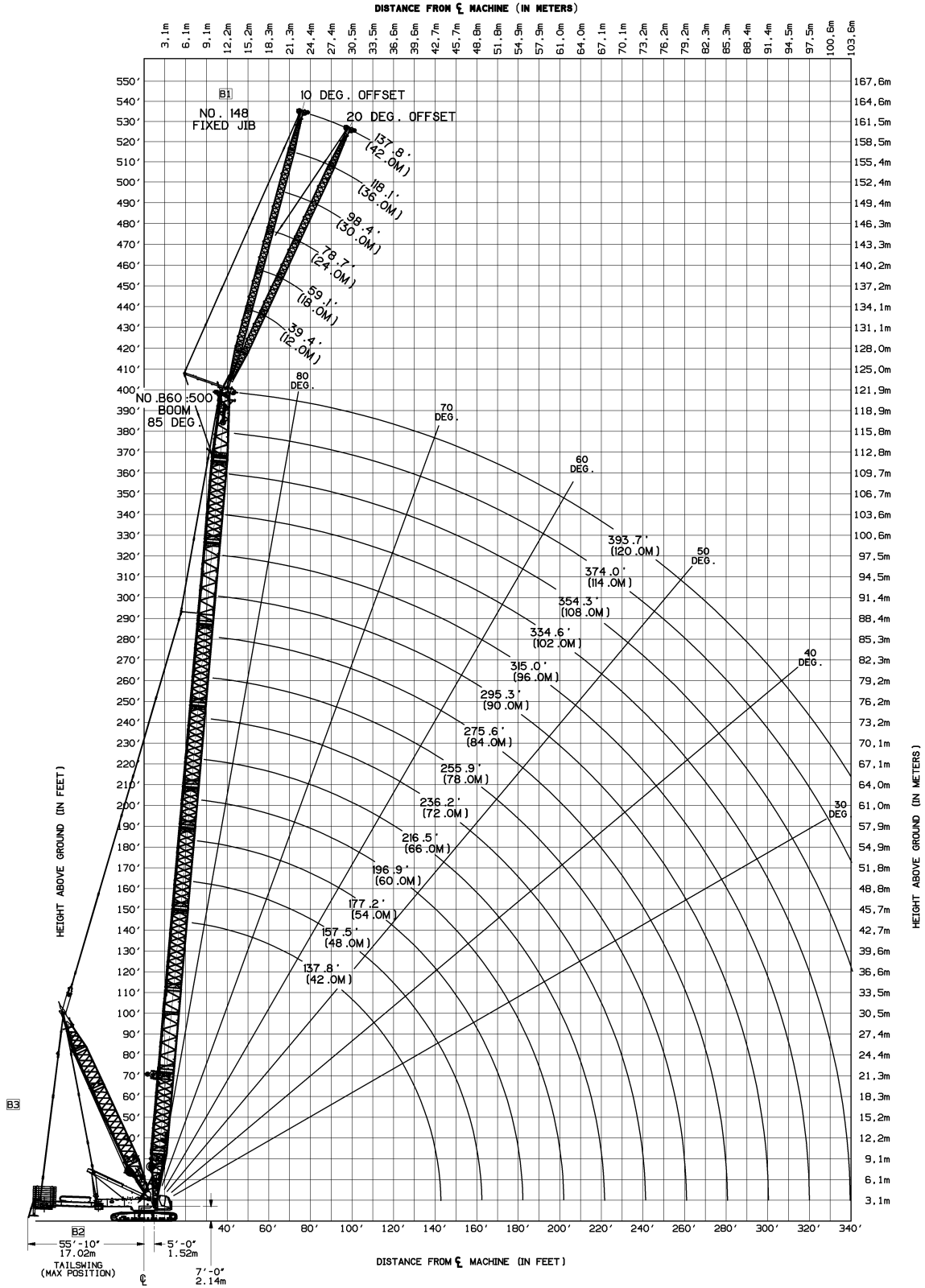
B60:500 boom with VPC-MAX™



Fixed jib working range diagram

VPC-MAX®

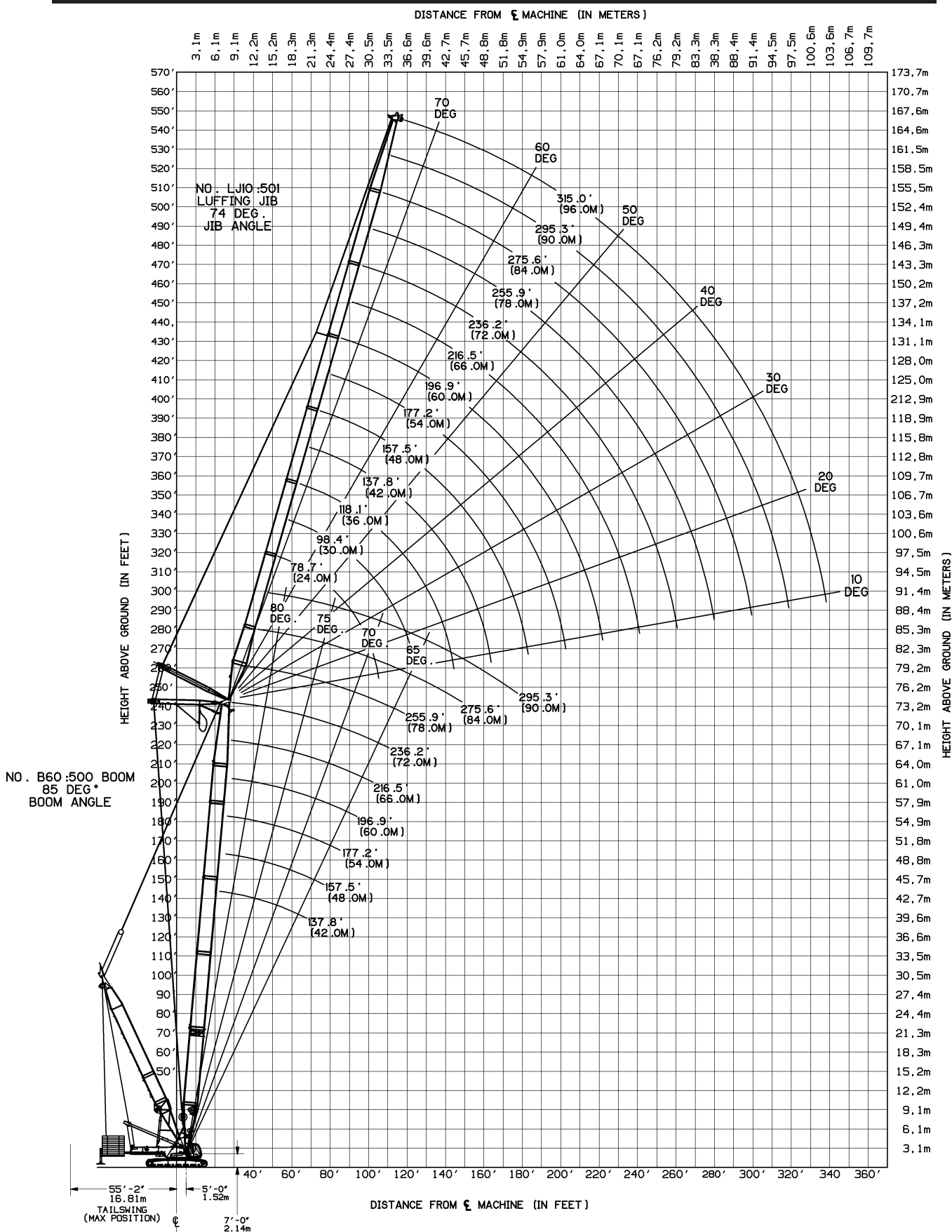
No. 148 fixed jib on B60:500 boom with VPC-MAX™



Luffing jib working range diagram

VPC-MAX®

LJ10:501 luffing jib on B60:500 boom with VPC-MAX®



Luffing jib load charts

VPC-MAX®

LJ10:501 luffing jib on B60:500 boom with VPC-MAX®

215,2 t counterweight

360° Rating

kg x 1000

85° boom angle

| 42 m boom length | | | | | |
|------------------|---------------|------|------|------|------|
| Radius m | Boom length m | | | | |
| | 24 | 42 | 60 | 72 | 96 |
| 13,72 | 150,0 | — | — | — | — |
| 14 | 148,6 | — | — | — | — |
| 15 | 143,7 | — | — | — | — |
| 16 | 135,5 | — | — | — | — |
| 17 | 123,8 | — | — | — | — |
| 18 | 115,3 | — | — | — | — |
| 19 | 108,1 | 84,0 | — | — | — |
| 20 | 101,8 | 81,6 | — | — | — |
| 22 | 91,2 | 76,9 | — | — | — |
| 24 | 82,9 | 72,4 | — | — | — |
| 26 | 76,3 | 67,8 | 52,9 | — | — |
| 28 | 71,4 | 63,2 | 52,4 | 36,4 | — |
| 30 | — | 59,1 | 51,3 | 36,0 | — |
| 32 | — | 55,2 | 49,7 | 35,7 | — |
| 34 | — | 51,8 | 48,0 | 35,3 | 17,5 |
| 36 | — | 48,5 | 46,3 | 35,0 | 17,2 |
| 38 | — | 45,6 | 44,7 | 34,6 | 16,8 |
| 40 | — | 42,8 | 43,1 | 34,2 | 16,5 |
| 42 | — | 40,3 | 41,5 | 33,9 | 16,2 |
| 44 | — | 38,0 | 39,9 | 33,5 | 15,9 |
| 46 | — | 35,7 | 38,4 | 32,5 | 15,6 |
| 48 | — | — | 36,7 | 31,4 | 15,2 |
| 50 | — | — | 35,1 | 30,2 | 14,9 |
| 54 | — | — | 31,4 | 27,7 | 14,4 |
| 58 | — | — | 28,1 | 25,3 | 13,9 |
| 62 | — | — | 24,6 | 22,8 | 13,4 |
| 66 | — | — | — | 20,4 | 13,0 |
| 70 | — | — | — | 18,0 | 12,6 |
| 74 | — | — | — | 15,8 | 12,2 |
| 78 | — | — | — | — | 11,9 |
| 82 | — | — | — | — | 11,6 |
| 86 | — | — | — | — | 11,4 |
| 90 | — | — | — | — | 10,5 |
| 94 | — | — | — | — | 8,5 |
| 98 | — | — | — | — | 5,3 |

| 54 m boom length | | | | | |
|------------------|---------------|------|------|------|------|
| Radius m | Boom length m | | | | |
| | 24 | 42 | 60 | 72 | 96 |
| 15,2 | 125,6 | — | — | — | — |
| 16 | 120,1 | — | — | — | — |
| 17 | 112,8 | — | — | — | — |
| 18 | 105,5 | — | — | — | — |
| 19 | 98,9 | — | — | — | — |
| 20 | 93,3 | 78,8 | — | — | — |
| 22 | 84,0 | 75,0 | — | — | — |
| 24 | 76,6 | 71,2 | — | — | — |
| 26 | 70,7 | 67,5 | 46,3 | — | — |
| 28 | 66,1 | 63,7 | 46,2 | — | — |
| 30 | 63,3 | 59,2 | 46,0 | 32,6 | — |
| 32 | — | 55,0 | 45,8 | 32,4 | — |
| 34 | — | 51,5 | 45,6 | 32,2 | — |
| 36 | — | 48,5 | 44,7 | 31,9 | 16,2 |
| 38 | — | 45,9 | 43,2 | 31,7 | 16,0 |
| 40 | — | 43,7 | 41,8 | 31,4 | 15,7 |
| 42 | — | 41,4 | 40,2 | 31,2 | 15,5 |
| 44 | — | 39,0 | 38,2 | 30,9 | 15,2 |
| 46 | — | 36,9 | 36,4 | 30,6 | 14,9 |
| 48 | — | 34,0 | 34,7 | 30,3 | 14,7 |
| 50 | — | — | 33,3 | 29,4 | 14,5 |
| 54 | — | — | 30,7 | 27,2 | 14,0 |
| 58 | — | — | 27,9 | 25,0 | 13,5 |
| 62 | — | — | 25,7 | 22,7 | 13,1 |
| 66 | — | — | — | 20,5 | 12,7 |
| 70 | — | — | — | 18,2 | 12,3 |
| 74 | — | — | — | 16,1 | 12,0 |
| 78 | — | — | — | — | 11,7 |
| 82 | — | — | — | — | 11,4 |
| 86 | — | — | — | — | 11,2 |
| 90 | — | — | — | — | 10,8 |
| 94 | — | — | — | — | 8,7 |
| 98 | — | — | — | — | 5,8 |

For complete chart, refer to www.cranelibrary.com.

Luffing jib load charts

VPC-MAX®

LJ10:501 luffing jib on B60:500 boom with VPC-MAX™

215,2 counterweight

360° Rating

kg x 1000

85° boom angle

| 66 m boom length | | | | | |
|------------------|---------------|------|------|------|------|
| Radius m | Boom length m | | | | |
| | 24 | 42 | 60 | 72 | 96 |
| 16,7 | 99,5 | — | — | — | — |
| 17 | 98,9 | — | — | — | — |
| 18 | 96,6 | — | — | — | — |
| 19 | 92,7 | — | — | — | — |
| 20 | 87,1 | — | — | — | — |
| 22 | 78,7 | 62,7 | — | — | — |
| 24 | 72,0 | 62,3 | — | — | — |
| 26 | 66,7 | 61,5 | 39,3 | — | — |
| 28 | 62,4 | 59,1 | 39,2 | — | — |
| 30 | 59,2 | 54,7 | 39,0 | 28,6 | — |
| 32 | — | 51,1 | 38,8 | 28,5 | — |
| 34 | — | 48,0 | 38,6 | 28,4 | — |
| 36 | — | 45,3 | 38,2 | 28,2 | — |
| 38 | — | 43,0 | 37,5 | 28,0 | 14,7 |
| 40 | — | 41,0 | 35,9 | 27,8 | 14,6 |
| 42 | — | 39,3 | 34,3 | 27,6 | 14,4 |
| 44 | — | 37,9 | 32,7 | 27,3 | 14,2 |
| 46 | — | 36,4 | 31,2 | 27,1 | 14,0 |
| 48 | — | 35,1 | 29,7 | 26,2 | 13,8 |
| 50 | — | — | 28,3 | 25,1 | 13,6 |
| 54 | — | — | 25,7 | 23,2 | 13,2 |
| 58 | — | — | 23,5 | 21,3 | 12,9 |
| 62 | — | — | 21,7 | 19,6 | 12,5 |
| 66 | — | — | 20,5 | 18,1 | 12,2 |
| 70 | — | — | — | 16,8 | 11,8 |
| 74 | — | — | — | 15,8 | 11,5 |
| 78 | — | — | — | 14,5 | 11,2 |
| 82 | — | — | — | — | 10,5 |
| 86 | — | — | — | — | 9,9 |
| 90 | — | — | — | — | 9,3 |
| 94 | — | — | — | — | 8,5 |
| 98 | — | — | — | — | 6,1 |
| 90 | — | — | — | — | 10,5 |
| 94 | — | — | — | — | 8,5 |
| 98 | — | — | — | — | 5,3 |

| 84 m boom length | | | | | |
|------------------|---------------|------|------|------|------|
| Radius m | Boom length m | | | | |
| | 24 | 42 | 54 | 66 | 78 |
| 18,3 | 60,5 | — | — | — | — |
| 19 | 60,2 | — | — | — | — |
| 20 | 59,7 | — | — | — | — |
| 22 | 58,4 | — | — | — | — |
| 24 | 56,9 | 40,8 | — | — | — |
| 26 | 55,5 | 40,3 | 31,6 | — | — |
| 28 | 53,6 | 39,7 | 31,4 | — | — |
| 30 | 50,6 | 39,0 | 31,1 | 24,4 | — |
| 32 | 46,8 | 38,2 | 30,7 | 24,2 | 18,5 |
| 34 | — | 37,3 | 30,3 | 24,0 | 18,5 |
| 36 | — | 35,5 | 29,9 | 23,8 | 18,3 |
| 38 | — | 33,7 | 29,3 | 23,6 | 18,2 |
| 40 | — | 32,0 | 28,1 | 23,3 | 18,0 |
| 42 | — | 30,4 | 26,8 | 23,0 | 17,9 |
| 44 | — | 29,0 | 25,6 | 22,3 | 17,7 |
| 46 | — | 27,7 | 24,4 | 21,4 | 17,5 |
| 48 | — | 26,7 | 23,3 | 20,5 | 17,3 |
| 50 | — | 26,1 | 22,3 | 19,7 | 16,9 |
| 54 | — | — | 20,4 | 18,1 | 15,7 |
| 58 | — | — | 18,9 | 16,7 | 14,5 |
| 62 | — | — | 18,1 | 15,4 | 13,5 |
| 66 | — | — | — | 14,3 | 12,5 |
| 70 | — | — | — | 13,5 | 11,6 |
| 74 | — | — | — | 12,9 | 10,8 |
| 78 | — | — | — | — | 10,1 |
| 82 | — | — | — | — | 9,6 |
| 86 | — | — | — | — | 8,9 |

For complete chart, refer to www.cranelibrary.com.

Specifications

Upperworks

Engine

Cummins Model QSG-12 diesel, 11.8 liter displacement, inline 6 cylinder, 336 kW @1800 governed RPM. Emissions Level: U.S. EPA/ CARB Tier 4 Final/ EU Stage IV Compliant.

Included are engine block heater (240 V), engine oil pan heater (240 V), air intake grid heater, disconnect clutch for cold weather starting, exhaust after treatment, variable speed hydraulic cooling fan, hydraulic oil cooler, radiator, charge air cooler, and fuel cooler. Also included are two 12 volt maintenance-free, Group 8D batteries, 1375 CCA at -18°C, 24 volt starting and 110 amp alternator. Single diesel fuel tank is 965 L capacity complete with physical level indicator on tank and electronic level indicator in the operator's cabin.

Optional: Cold-weather package with heater for fluids.

Crane Control System

The Crane Control System offers a user-friendly interface, two full graphic displays mounted horizontally for better visibility, a jog dial for easier data input and ergonomic joysticks.

Hydraulic system

Efficient, independent, full power multi-functional control is achieved in all operating modes through a combination of open and closed loop system optimized by Manitowoc's proprietary onboard Crane Control System.

552 L hydraulic reservoir is equipped with sight gauge, breather, clean out access, 100 micron mesh internal strainers, and 40 micron inlet screens. Primary filtration system is equipped with 8 micron absolute filters.

Drums

Basic machine is equipped with an independent main drum assembly and independent luffing/aux drum assembly mounted in the boom butt. Each drum is driven by a variable-displacement hydraulic motor through a planetary reduction. Drums are grooved for 28 mm wire rope. Main hoist has 16 670 kg linepull on all layers with a 700 mm drum diameter; luffing/aux drum has 13 610 kg linepull on all layers with a 600 mm drum diameter.

Powered hoisting/ lowering operation with automatic spring applied, hydraulically released multi-disc brakes, and drum rotation indicators standard.

Basic machine is equipped with a rigging winch mounted in the boom butt. Drum utilizes 8 mm wire rope with 1 021 kg max linepull capability.

- Optional: auxiliary hoists – Rotating bed mounted, can be fitted with one or two auxiliary drums grooved for 28 mm wire rope, and both having 16 670 kg linepull on all layers. These two drums can be used independently or in tandem to suit a variety of lift applications.

- Optional: freefall hoists – Rotating bed mounted, can be fitted with one or two free fall equipped drums grooved for 28 mm wire rope. Freefall function is controlled by wet disk brake manually applied by foot pedal with locking latch in operator's cabin. Operator may select free-fall or powered lowering mode using a selector switch in the cab.

Moving mast system

Independent boom hoist consists of a single drum grooved for 26 mm diameter wire rope. Includes 425 m of 26 mm diameter wire rope to accommodate 24 part live mast reeving.

Drum is powered by a variable displacement hydraulic motor coupled to an internal spring applied, hydraulically released multi-disc brake multi-disc brake and planetary gearbox equipped with ratcheting pawl and drum rotation indicators. Live mast system assembly module includes live mast, boom hoist drum and rear sheave nest. The assembly weighs 9000 kg and may be removed from the rotating bed for an upperworks module transport weight reduction.

Swing System

Rotating bed mounted independent swing is powered by a fixed displacement hydraulic motor coupled to an internal brake and planetary reduction engaging a 3 m diameter triple row roller turntable bearing.

Swing system maximum speed: 2,0 rpm.

Boom support system

Moving mast is 9,1 m long and connects the boom hoist reeving to the high strength steel boom suspension strap rigging. When used with optional self-erect package, the mast with integral hydraulic cylinder is used for handling crawlers, counterweight and boom sections.

Spring cushioned boom stop and automatic electrical boom stop are standard.

Variable position counterweight

The Variable Position Counterweight® (VPC®) system, with only rotating bed counterweight, maintains optimum crane stability by automatically positioning crane counterweight based on boom length and load radius. No carbody counterweight is required.

The crane can be equipped with 175 200 kg of upperworks counterweight made up of a single piece counterweight tray and sixteen 10 t counterweight boxes or with 215 200 kg of upperworks counterweight with 2010 t counterweight boxes. Left and right side counterweights are interchangeable and common with the Model MLC650 counterweight.

Specifications



Vision operator's cab

The Vision Cab™ is a fully enclosed and insulated galvanized steel module mounted to the left front corner of rotating bed. Module is equipped with power tilt, sliding door, large safety glass windows, front and roof windshield wipers, dome light, sun visor and shade, fire extinguisher, air conditioning, swing and travel alarms, and radio/CD player. Operator's station swings over front of rotating bed for transport.

- Optional: Nylon protective window covers.

Lowerworks



Carbody

Connects rotating bed and crawler frames. Each frame is mounted to the carbody with FACT connection system and hydraulic power-actuated pins.



Crawlers

Crawler assemblies are 9,7 m long with 1,2 m wide cast steel crawler pads and automatically lubricated intermediate rollers. Left and right side crawlers are interchangeable to provide assembly/disassembly flexibility on Jobsites. Each crawler is powered independently by a variable displacement hydraulic motor connected via screw together hydraulic quick disconnects. Crawlers provide ample tractive effort for travel and counter-rotating with full rated load.

Maximum ground speed of 1,3 kph.

- Optional: 1,5 m wide treads.

Attachments



No. 500 boom

The liftcrane is equipped with 30 m No. 500 basic boom consisting of 8 m butt, 12 m insert with luffing/aux hoist sheaves and 10 m top with eight 762 mm diameter sheaves with tapered roller bearings. Includes rope guides, boom hoist wire rope, boom angle indicator and hook and weight ball. The boom utilizes Manitowoc's exclusive FACT boom connection system. Includes spring cushioned boom stop, automatic boom stop, hydraulically powered boom hinge system including cylinder, hydraulic piping, operating controls, and locking device.

- Optional: 6 m, 12 m, and 12 m with wire rope suspension No. 500 boom inserts with steel boom suspension straps for a maximum boom length of 102 m.

Detachable upper boom point with 762 mm diameter sheave with tapered roller bearings grooved for 28 mm rope with rope guard.



No. 148 fixed jib

12 m No. 148 fixed jib including pin 6 m butt, 6 m top, jib strut and mounting hardware.

- Optional: 6 m and 12 m No. 148 inserts with pin connectors and pendants for a maximum jib length of 42 m.



No. 501 luffing jib

24 m No. 501 luffing jib includes 6 m butt, 6 m transition insert, 12 m top, basic straps, main strut, jib strut, backstay straps and jib point guide wheel.

- Optional: 6 m and 12 m No. 501 luffing jib inserts with steel boom suspension straps for a maximum luffing jib length of 96 m.



VPC-MAX®

The VPC-MAX® components include:

- 30 m of No. 503 mast consisting of a 6 m butt, 6 m insert, 12 m insert with sheave, and 6 m top.
- One additional swing drive (for a total of two) mounted on the front of the rotating bed. Each swing drive is powered by a fixed-displacement hydraulic motor coupled to a planetary reduction gearbox and internal spring applied, hydraulically released multi-disc brake.
- VPC-MAX® counterweight actuator assembly consisting of a high strength steel frame, 2 drive assemblies, hydraulic piping and controls.
- VPC-MAX® counterweight beam assembly consisting of a high strength steel frame fitted with gear teeth and roller path prepared to receive VPC-MAX® actuator assembly.
- The base machine VPC® actuator assembly, crane counterweight tray and counterweight are utilized.

The VPC-MAX® system maintains optimum crane stability by automatically positioning crane counterweight behind the crane's centerline of rotation based on lifted load, boom length and load radius.

Optional equipment

- Self erect system including carbody jacking cylinders with pads, self erect cylinder fitted to the live mast assembly and crawler handling chains.
- Hydraulic Test Kit: recommended to properly analyze the performance of the CCS control system.
- Service Interval Kits for the regularly scheduled maintenance of general crane operations.
- Special paint color(s) other than Manitowoc standard red and black.
- Custom vinyl decal(s) of customer name and/or logo from artwork supplied by customer.
- Export Packaging: basic crane, boom and jib sections.
- Additional load blocks available upon request.

Notes

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Notes

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