

# GTC-1600

160 US TON MAX. CRANE CAPACITY



TADANO  
GREEN  
SOLUTIONS

- Suitable for alternative fuels





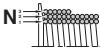
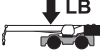
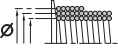
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# Key

|                                                                                     |                        |                                                                                     |                      |
|-------------------------------------------------------------------------------------|------------------------|-------------------------------------------------------------------------------------|----------------------|
|    | Counterweight          |    | Jib offset angle     |
|    | Radius                 |    | Max. line pull       |
|    | Main boom              |    | Rope length          |
|    | Folding swing-away jib |    | Rope                 |
|    | Insert                 |    | Hook block           |
|    | Carbody counterweight  |    | Assembly weight      |
|    | Overall width          |    | Transport variant    |
|  | Roll / list angle      |  | Wire rope layer      |
|  | Total weight           |  | Total wire rope      |
|  | Hook block             |  | Winch layer diameter |
|  | Overhaul ball          |  | Wind speed in mph    |
|  | Travel speed           |                                                                                     |                      |
|  | Gradeability           |                                                                                     |                      |
|  | Working speeds         |                                                                                     |                      |

# Highlights

200.1' pinned boom; 11.8' to 105' jib (tiltable from 5° to 40°)

Lifting capacities up to 4° out of level with full pick and carry.  
Jib capacities to 1.5° or 2.5° out of level depending on jib length.

Dual hook operation with auxiliary nose sheave or jib

Powerful winches with 19 mm rope

Tool-free self-rigging operation

Remote control for all rigging operations standard

Full crane operation remote optional

Best in class gradeability at 52 %

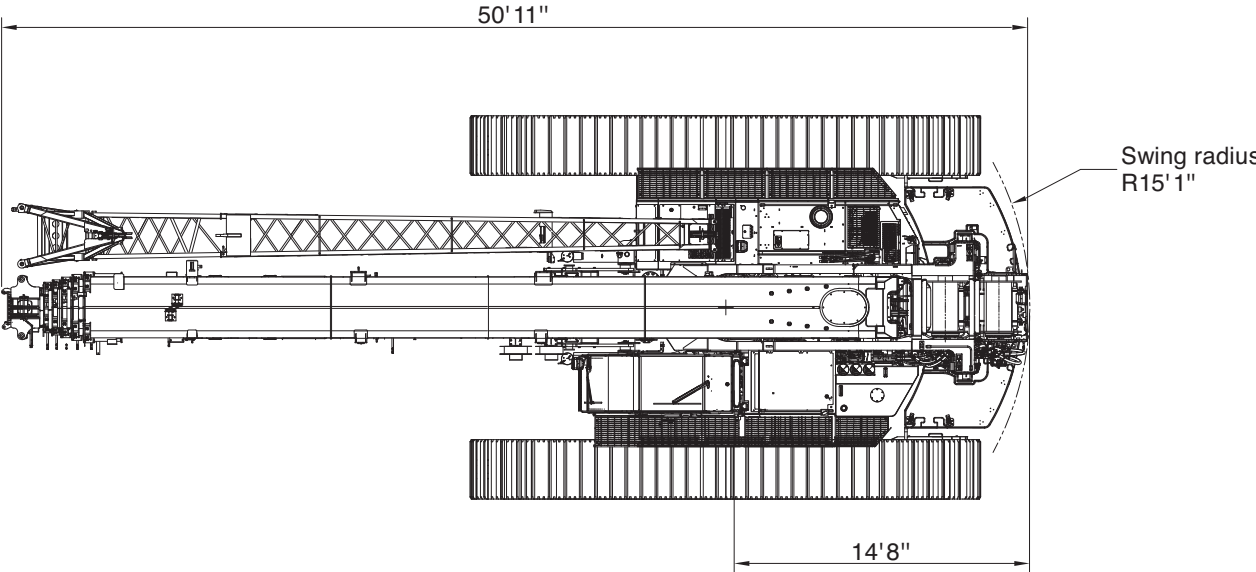
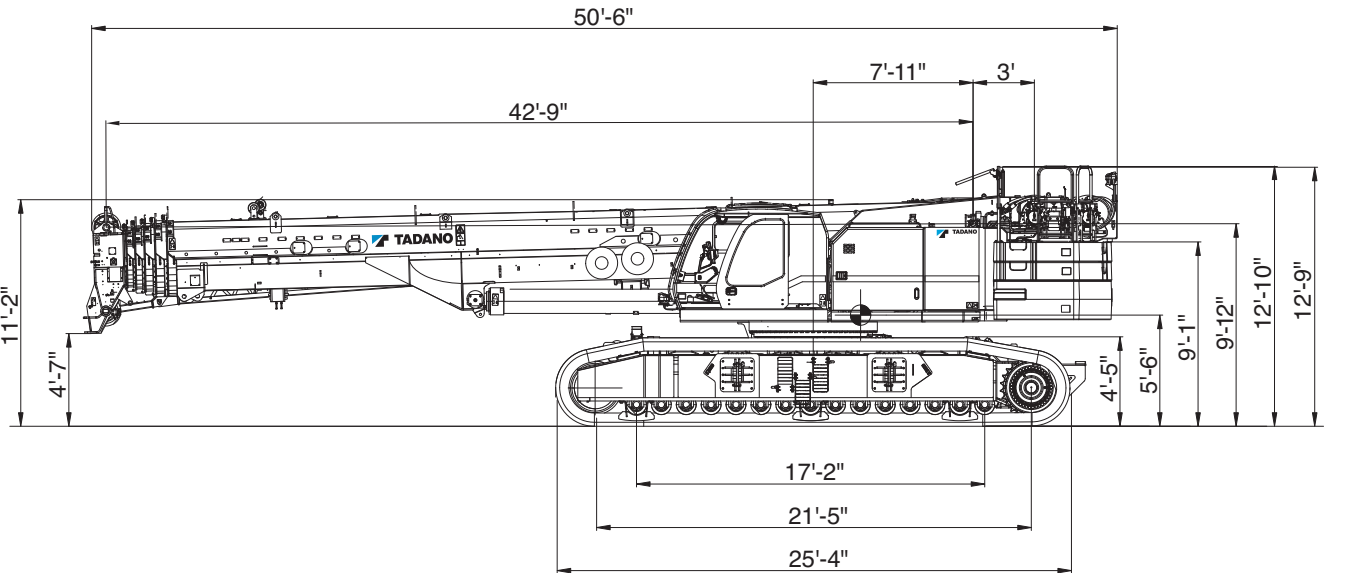
## Notes

# SPECIFICATIONS



# Specifications

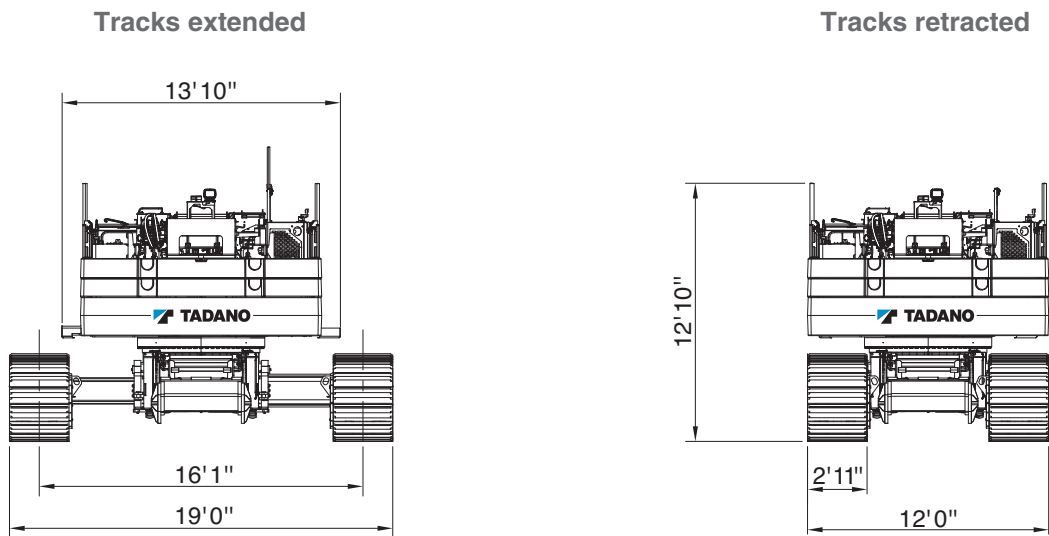
## Vehicle dimensions





# Specifications

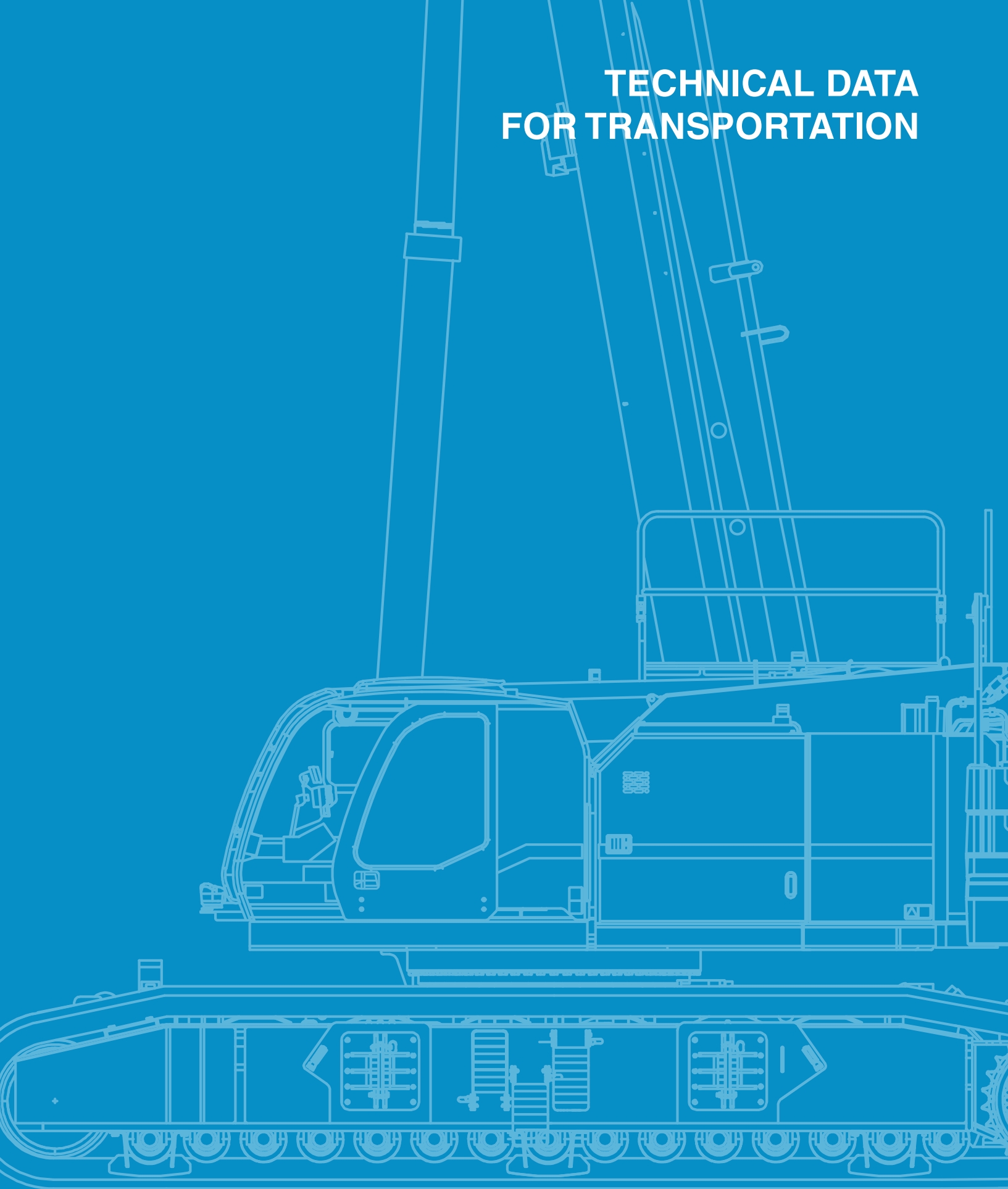
Vehicle dimensions



| General dimensions               |         |
|----------------------------------|---------|
| Overall length                   | 50' 11" |
| Overall width (tracks extended)  | 19' 0"  |
| Overall width (tracks retracted) | 12' 0"  |
| Overall width (tracks removed)   | 10' 10" |
| Overall height (working)         | 14' 7"  |

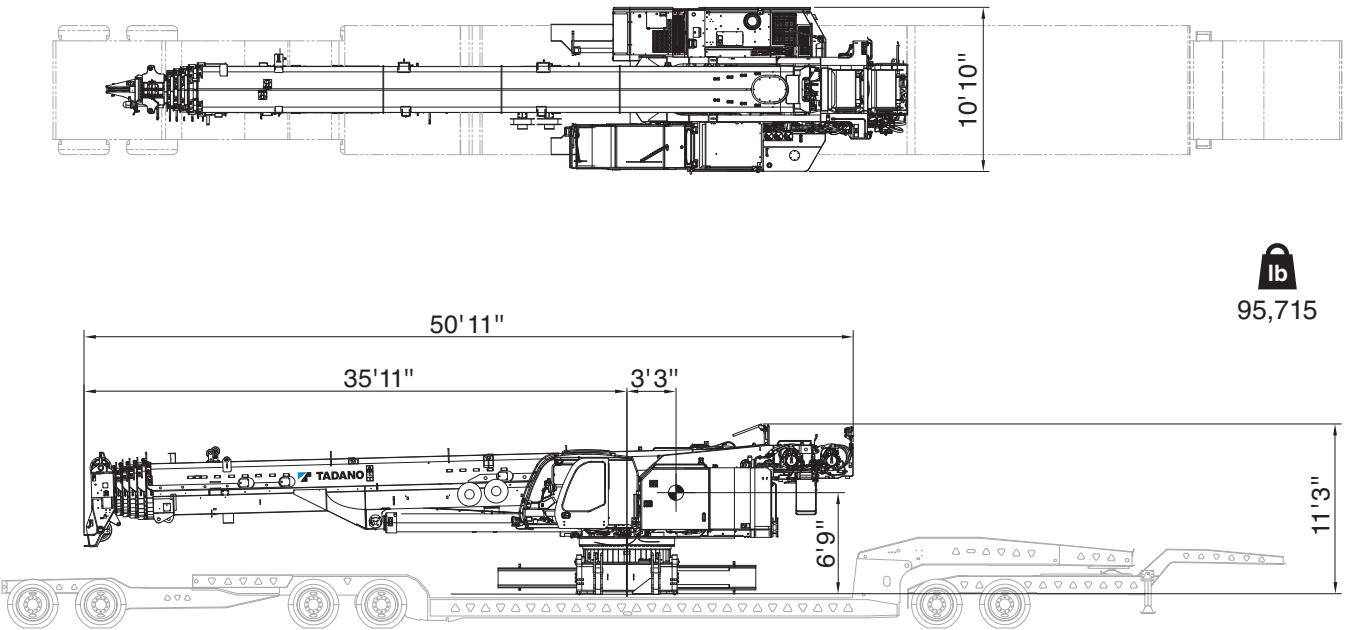
## Notes

# TECHNICAL DATA FOR TRANSPORTATION



# Transportation

## Transport dimensions



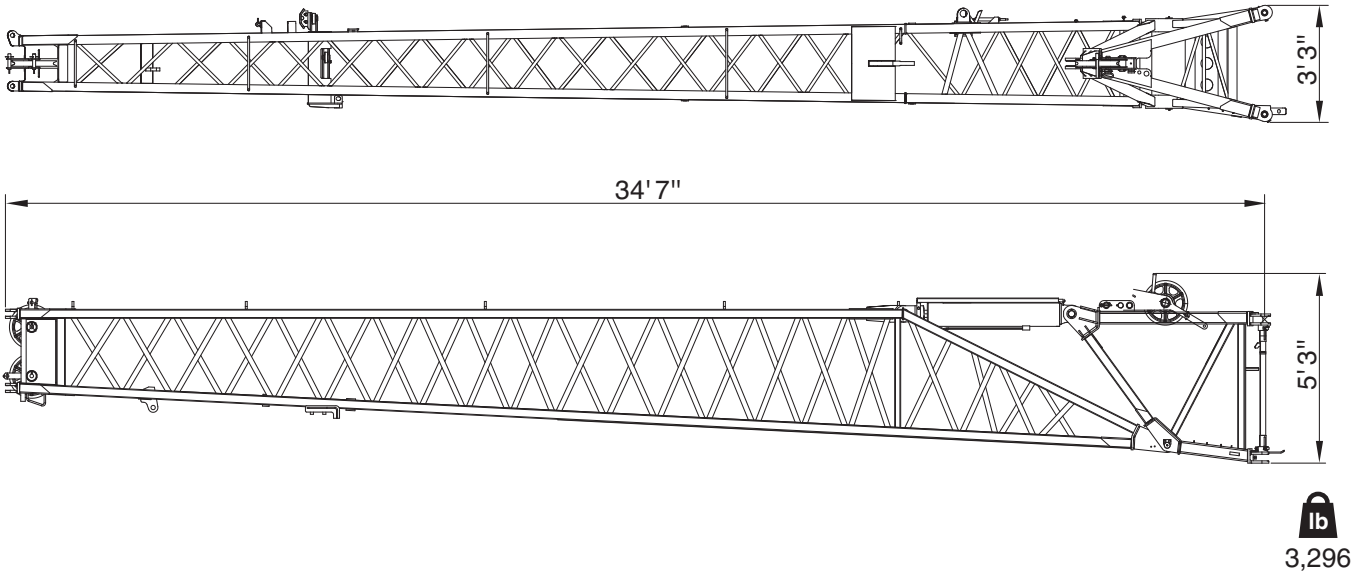
# Transportation

| Transport plan                                                                  |                                                                                   |                            |                                                                                     |               |               |               |               |
|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------|-------------------------------------------------------------------------------------|---------------|---------------|---------------|---------------|
|                                                                                 |  | Dimensions<br>L x W x H    |  |               |               |               |               |
| Crane transporter (with 2 winches, boom, wire rope, aux. nose sheave)           | 95,715                                                                            | 50' 11" x 10' 10" x 11' 4" | X                                                                                   |               |               |               |               |
| Left track frame                                                                | 30,220                                                                            | 25' 4" x 3' 7" x 4' 4"     |                                                                                     | X             |               |               |               |
| Right track frame                                                               | 30,220                                                                            | 25' 4" x 3' 7" x 4' 4"     |                                                                                     |               | X             |               |               |
| Counterweight – Base assembly                                                   | 40,300                                                                            | 6' 0" x 12' 0" x 5' 10"    |                                                                                     |               |               | X             |               |
| Counterweight – Mid                                                             | 14,700                                                                            | 1' 10" x 12' 0" x 5' 10"   |                                                                                     |               |               |               | X             |
| Counterweight – Upper                                                           | 15,100                                                                            | 1' 5" x 12' 0" x 5' 10"    |                                                                                     |               |               |               | X             |
| Carbody counterweight – Front counterweight with toolbox                        | 13,180                                                                            | 4' 5" x 4' 3" x 3' 0"      |                                                                                     | X             |               |               |               |
| Carbody counterweight – Rear counterweight with shelf, 2 bars, 4 outrigger pads | 12,660                                                                            | 8' 10" x 4' 5" x 3' 1"     |                                                                                     |               | X             |               |               |
| Heavy lift jib                                                                  | 1,448                                                                             | 8' 9" x 12' 4" x 3' 2"     |                                                                                     |               |               |               | X             |
| Main jib                                                                        | 2,543                                                                             | 35' 1" x 4' 6" x 3' 2"     |                                                                                     |               |               |               | X             |
| Fly jib                                                                         | 753                                                                               | 25' 10" x 1' 8" x 2' 10"   |                                                                                     |               |               |               | X             |
| Jib insert                                                                      | 968                                                                               | 23' 4" x 3' 2" x 4' 4"     |                                                                                     |               |               |               | X             |
| Jib insert                                                                      | 968                                                                               | 23' 4" x 3' 2" x 4' 4"     |                                                                                     |               |               |               | X             |
| Hook block - 110 US ton                                                         | 2,405                                                                             | 5' 3" x 1' 10" x 2' 2"     |                                                                                     |               |               | X             |               |
| Hook block - 50 US ton                                                          | 1,335                                                                             | 4' 5" x 1' 9" x 1' 8"      |                                                                                     |               |               |               | X             |
| Overhaul ball - 11 US ton                                                       | 660                                                                               | 3' 2" x 11" x 11"          |                                                                                     |               | X             |               |               |
| Miscellaneous items (crate)                                                     | 500                                                                               | 4' 0" x 3' 0" x 3' 0"      |                                                                                     |               |               | X             |               |
| <b>Total net weight on trailer (lb)</b>                                         |                                                                                   |                            | <b>95,715</b>                                                                       | <b>43,400</b> | <b>43,540</b> | <b>43,205</b> | <b>37,815</b> |

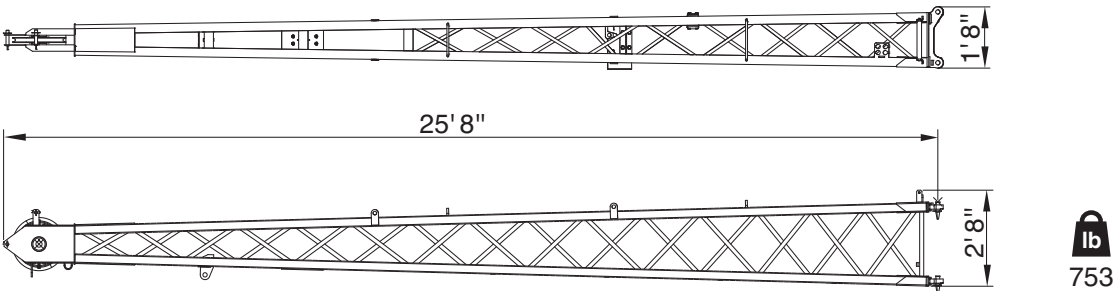
# Transportation

## Transport dimensions

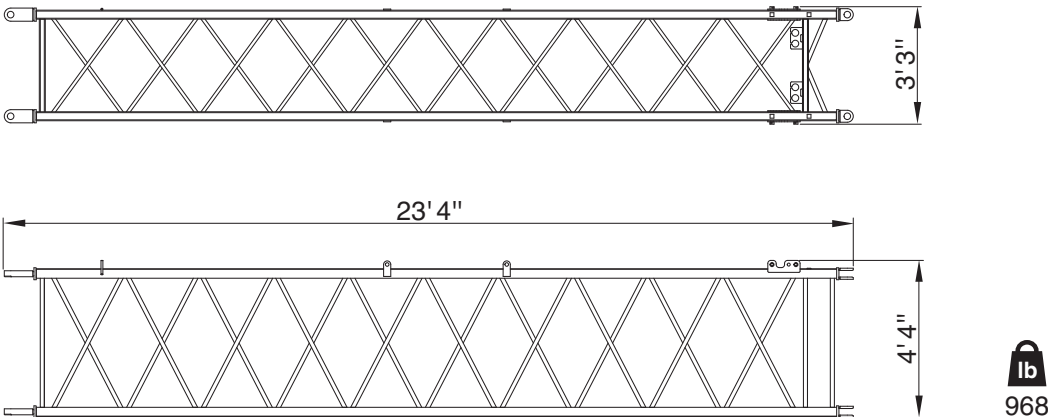
### Main jib



### Fly jib



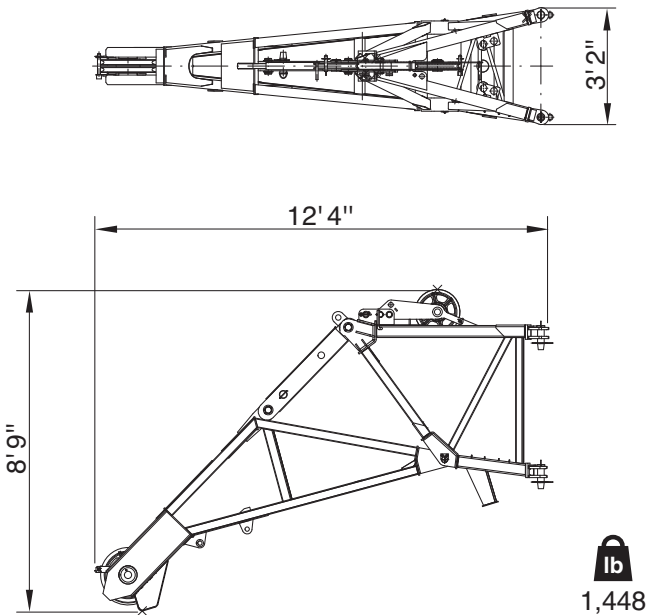
### Jib insert



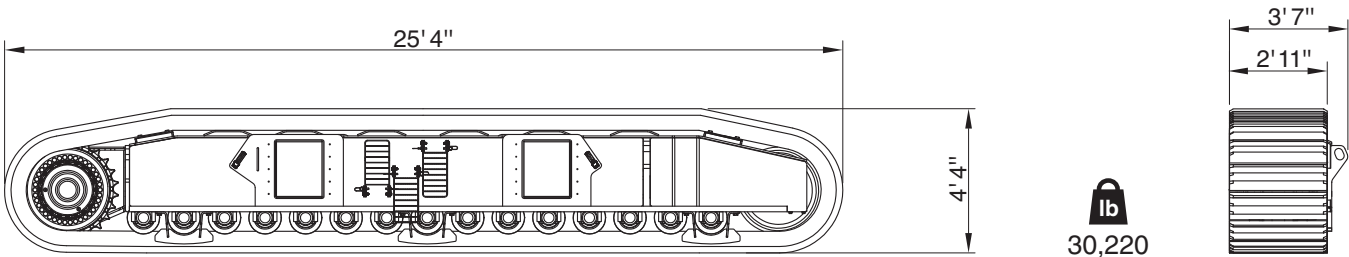
# Transportation

## Transport dimensions

### Heavy lift jib



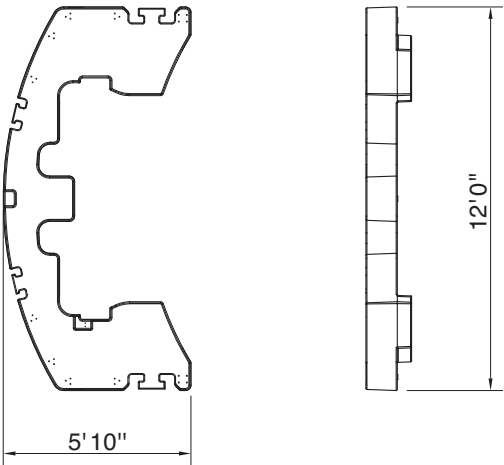
### Track frame assembly



# Transportation

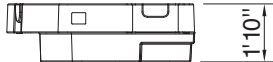
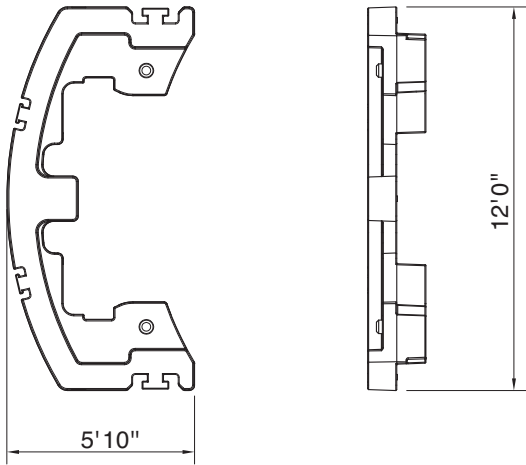
## Transport dimensions

### Upper counterweight



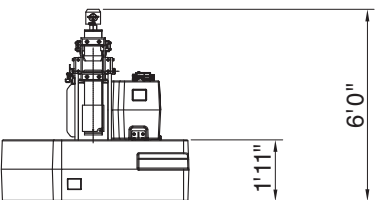
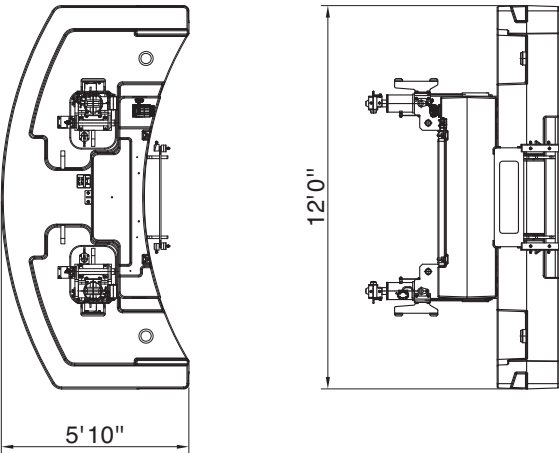
**lb**  
15,100

### Mid counterweight



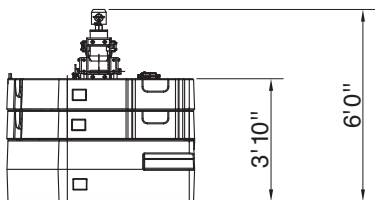
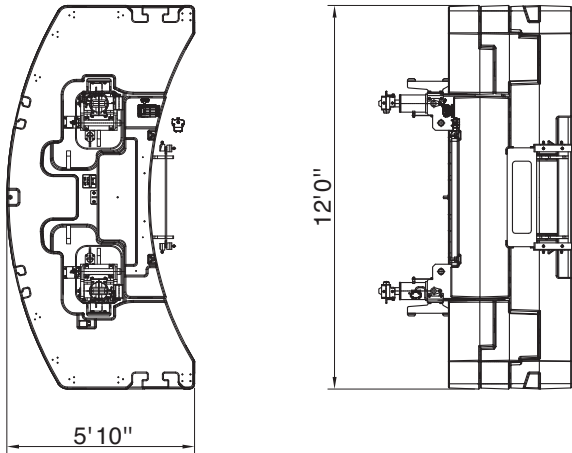
**lb**  
14,700

### Counterweight configuration 40.3k



**lb**  
40,300

### Counterweight configuration 70.1k



**lb**  
70,100

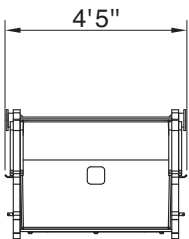
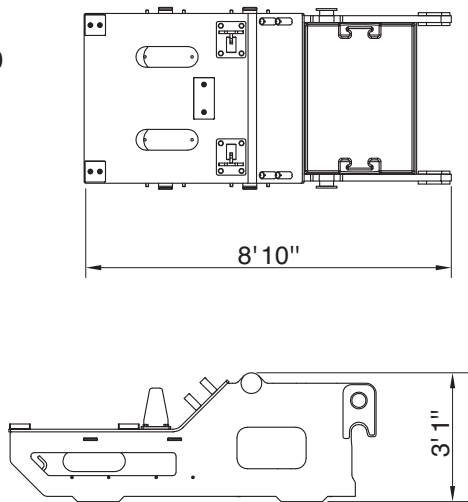


# Transportation

## Transport dimensions

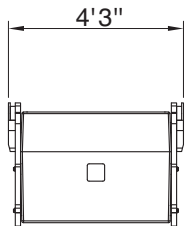
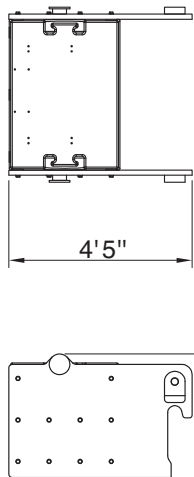
### Rear carbody counterweight with shelf

  
12,660

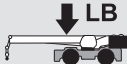


### Front carbody counterweight

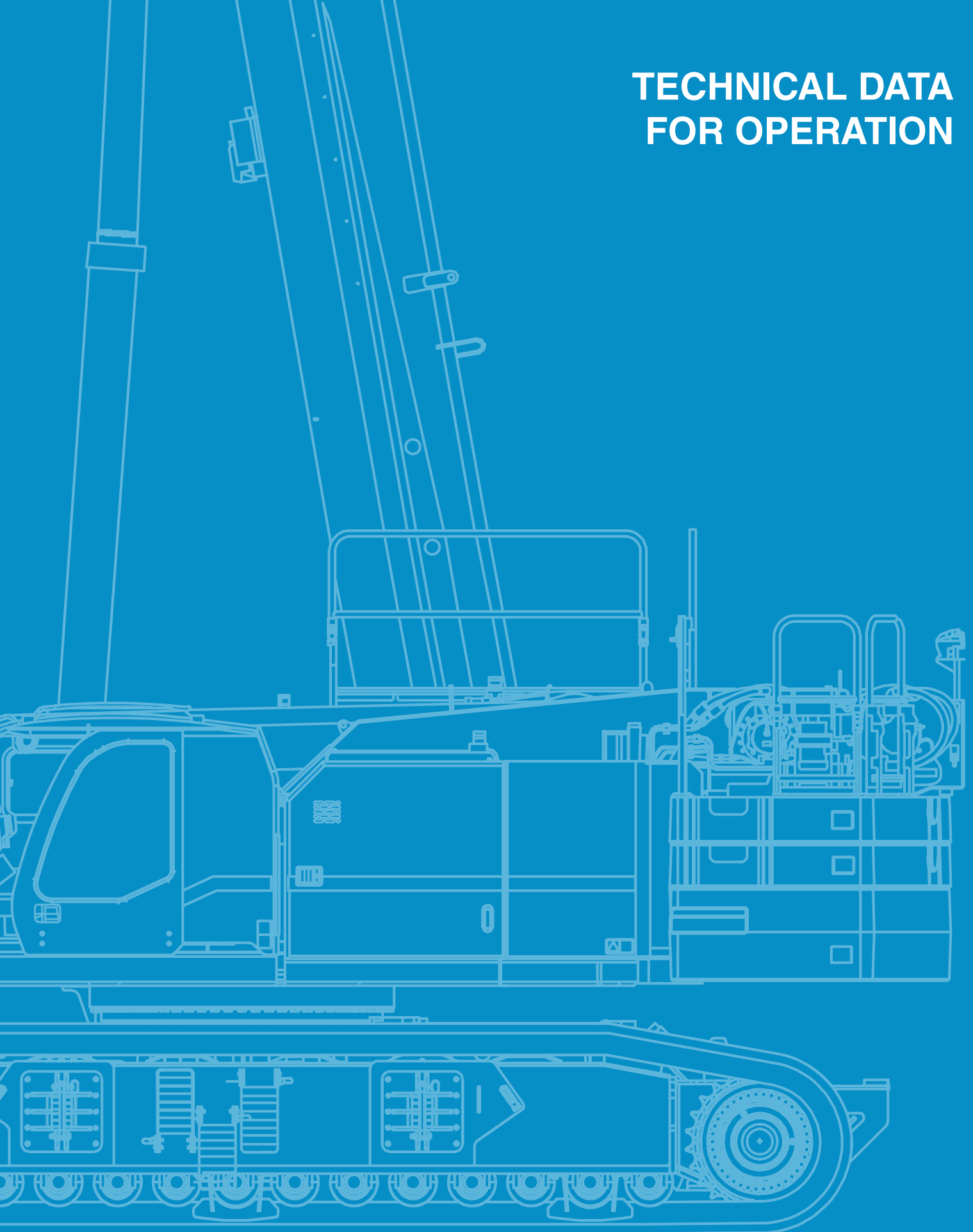
  
13,180



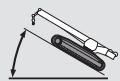
# Transportation

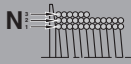
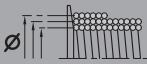
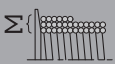
| Machine weights                                                                                                                                  |                                                                                                  |            |
|--------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------|
|                                                                 | Standard equipment package                                                                       | 255,388 lb |
|                                                                 |                                                                                                  | 70,100 lb  |
| <b>Standard Crane</b>                                                                                                                            |                                                                                                  |            |
| with 6 section, 200.1 ft boom, full counterweight, 2 winches with wire rope, auxiliary nose sheave, and 35.4 inch 3-bar semi grouser track shoes |                                                                                                  | 252,095 lb |
| <b>Standard Crane</b>                                                                                                                            |                                                                                                  |            |
| with 6 section, 200.1 ft boom, 2 winches with wire rope, auxiliary nose sheave (counterweights and crawlers removed)                             |                                                                                                  | 95,715 lb  |
| <b>Standard Crane</b>                                                                                                                            |                                                                                                  |            |
| with 2 winches and wire rope (boom, hoist cylinder, counterweights and crawlers removed)                                                         |                                                                                                  | 56,915 lb  |
| <b>Optional Equipment</b>                                                                                                                        |                                                                                                  |            |
| Heavy lift jib: 11.8 ft                                                                                                                          |                                                                                                  | 1,448 lb   |
| Main jib: 33.8 ft                                                                                                                                |                                                                                                  | 2,543 lb   |
| Jib tip: 25.3 ft                                                                                                                                 |                                                                                                  | 753 lb     |
| Lattice jib insert: 2 pieces, 23 ft                                                                                                              |                                                                                                  | 1,936 lb   |
| Auxiliary nose sheave                                                                                                                            |                                                                                                  | 139 lb     |
|                                                               | 110 US ton  7 | 2,405 lb   |
|                                                               | 50 US ton  3  | 1,335 lb   |
|                                                               | 11 US ton                                                                                        | 660 lb     |
| Track frame with 35.4 inch 3-bar semi grouser track shoes                                                                                        |                                                                                                  | 30,220 lb  |
| Track frame with 35.4 inch flat track shoes                                                                                                      |                                                                                                  | 29,308 lb  |
| Track frame with 39.4 inch 3-bar semi grouser track shoes                                                                                        |                                                                                                  | 31,025 lb  |
| Track frame with 39.4 inch flat track shoes                                                                                                      |                                                                                                  | 30,026 lb  |

# TECHNICAL DATA FOR OPERATION



# Operation

| Speeds and gradeability                                                           |                   |                                                                                   |      |
|-----------------------------------------------------------------------------------|-------------------|-----------------------------------------------------------------------------------|------|
|  | 0.5 mph / 1.4 mph |  | 79 % |

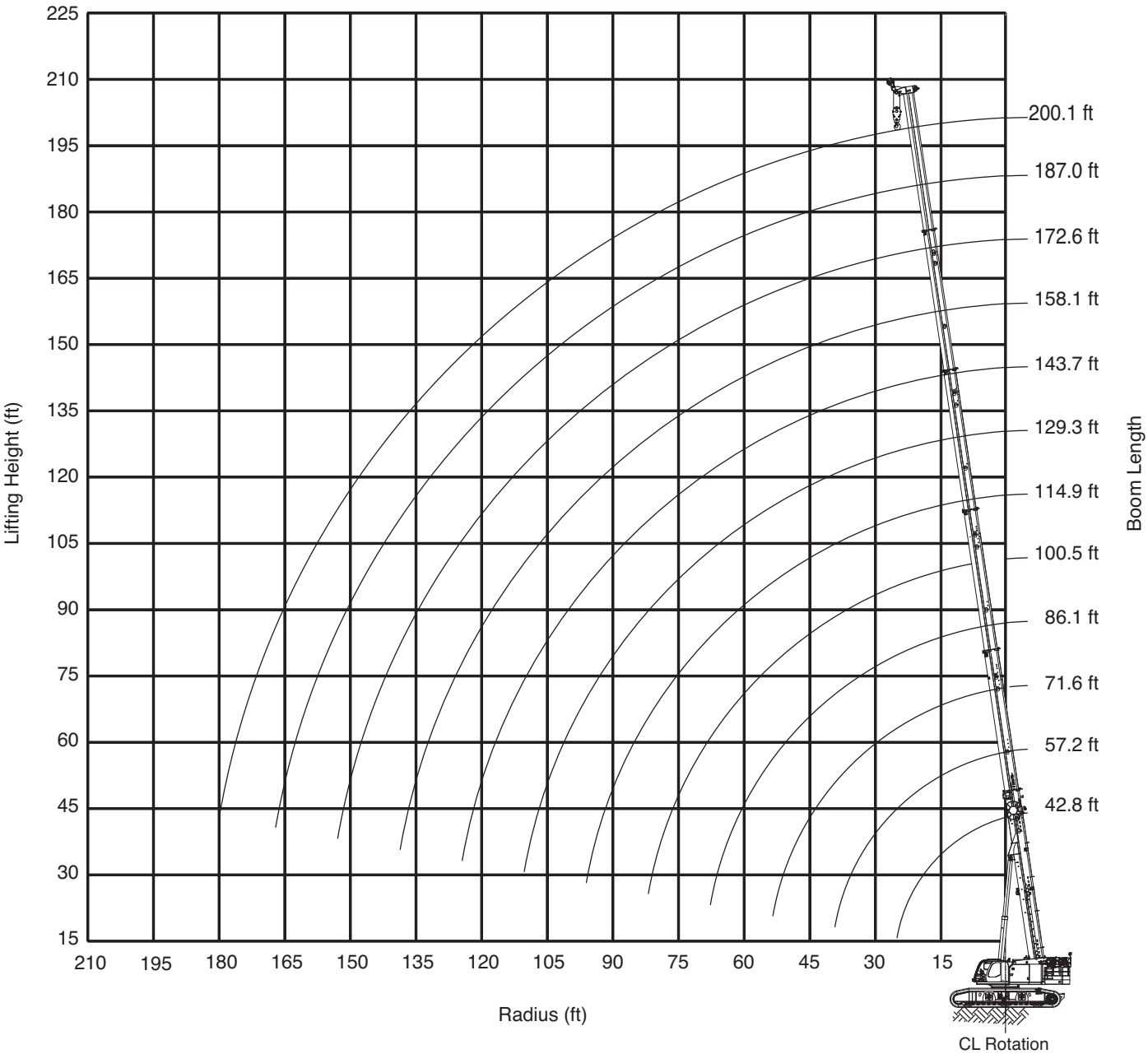
| Main winch and auxiliary winch performance                                        |                                                                                   |                                                                                                         |               |                                                                                    |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  <div>highnormal</div> |               |  |  |  |
| 1                                                                                 | 21,833 lb                                                                         | 339.1 ft/min.                                                                                           | 243.4 ft/min. | 15.8 in.                                                                           | 147.1 ft                                                                            | 147.1 ft                                                                            |
| 2                                                                                 | 19,866 lb                                                                         | 368.0 ft/min.                                                                                           | 264.2 ft/min. | 17.4 in.                                                                           | 159.6 ft                                                                            | 306.6 ft                                                                            |
| 3                                                                                 | 18,224 lb                                                                         | 396.8 ft/min.                                                                                           | 284.8 ft/min. | 19.0 in.                                                                           | 172.1 ft                                                                            | 478.7 ft                                                                            |
| 4                                                                                 | 16,833 lb                                                                         | 425.7 ft/min.                                                                                           | 305.7 ft/min. | 20.5 in.                                                                           | 184.6 ft                                                                            | 663.3 ft                                                                            |
| 5                                                                                 | 15,636 lb                                                                         | 454.6 ft/min.                                                                                           | 326.4 ft/min. | 22.1 in.                                                                           | 197.2 ft                                                                            | 860.5 ft                                                                            |
| 6                                                                                 | 14,603 lb                                                                         | 483.5 ft/min.                                                                                           | 347.1 ft/min. | 23.7 in.                                                                           | 209.7 ft                                                                            | 1070.2 ft                                                                           |

Wire Rope: 19 mm diameter rotation resistant. Line pulls are not based on wire rope strength.

# Operation

| Hook blocks                                                                       |                                                                                   |                                                                                   |                                                                                   |                                                                                     |                                                                                     |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |  |  |  |  |
| 1                                                                                 | 16,272                                                                            | 7.9-0-19                                                                          | 7                                                                                 | 655                                                                                 | 6.9 ft                                                                              |
| 2                                                                                 | 31,943                                                                            | 27.5-1-19                                                                         | 7                                                                                 | 920                                                                                 | 8.1 ft                                                                              |
| 3                                                                                 | 47,620                                                                            | 60-3-19                                                                           | 7                                                                                 | 1,395                                                                               | 8.2 ft                                                                              |
| 4                                                                                 | 63,102                                                                            | 60-3-19                                                                           | 7                                                                                 | 1,395                                                                               | 8.2 ft                                                                              |
| 5                                                                                 | 78,394                                                                            | 60-3-19                                                                           | 7                                                                                 | 1,395                                                                               | 8.2 ft                                                                              |
| 6                                                                                 | 93,497                                                                            | 60-3-19                                                                           | 7                                                                                 | 1,395                                                                               | 8.2 ft                                                                              |
| 7                                                                                 | 108,414                                                                           | 60-3-19                                                                           | 7                                                                                 | 1,395                                                                               | 8.2 ft                                                                              |
| 8                                                                                 | 123,146                                                                           | 110-7-19                                                                          | 7                                                                                 | 2,411                                                                               | 8.9 ft                                                                              |
| 9                                                                                 | 137,696                                                                           | 110-7-19                                                                          | 7                                                                                 | 2,411                                                                               | 8.9 ft                                                                              |
| 10                                                                                | 152,067                                                                           | 110-7-19                                                                          | 7                                                                                 | 2,411                                                                               | 8.9 ft                                                                              |
| 11                                                                                | 166,261                                                                           | 110-7-19                                                                          | 7                                                                                 | 2,411                                                                               | 8.9 ft                                                                              |
| 12                                                                                | 180,279                                                                           | 110-7-19                                                                          | 7                                                                                 | 2,411                                                                               | 8.9 ft                                                                              |
| 13                                                                                | 194,124                                                                           | 110-7-19                                                                          | 7                                                                                 | 2,411                                                                               | 8.9 ft                                                                              |
| 14                                                                                | 207,798                                                                           | 110-7-19                                                                          | 7                                                                                 | 2,411                                                                               | 8.9 ft                                                                              |
| 22                                                                                | 320,000                                                                           | 60-3-19 X2*                                                                       | 7 + 3 + 3*                                                                        | 2,790                                                                               | 14.6 ft                                                                             |

\* Requires optional heavy lift equipment



# Operation

MB

|  70,100 lb +  13,180 lb |       |       |       |       |  19'0" |       |       |       |  20 mph |       |       |       | 360°                                                                                |    |  |  | ASME B30.5 |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-----------------------------------------------------------------------------------------|-------|-------|-------|------------------------------------------------------------------------------------------|-------|-------|-------|-------------------------------------------------------------------------------------|----|--|--|------------|--|
|  42.8 ft                                                                                                 |       |       |       |       | 57.2 ft                                                                                 |       |       |       | 71.6 ft                                                                                  |       |       |       |  |    |  |  |            |  |
| 0.5° 1.5° 2.5° 4°                                                                                                                                                                         |       |       |       |       | 0.5° 1.5° 2.5° 4°                                                                       |       |       |       | 0.5° 1.5° 2.5° 4°                                                                        |       |       |       |                                                                                     |    |  |  |            |  |
| 1,000 lb                                                                                                                                                                                  |       |       |       |       |                                                                                         |       |       |       |                                                                                          |       |       |       |                                                                                     | ft |  |  |            |  |
| 8                                                                                                                                                                                         | 320.0 | 320.0 | 207.7 | 207.7 | 200.0                                                                                   | 200.0 | 200.0 | 175.4 | 174.2                                                                                    | 174.2 | 164.8 | 136.6 | 8                                                                                   |    |  |  |            |  |
| 10                                                                                                                                                                                        | 242.1 | 242.1 | 207.7 | 207.7 | 200.0                                                                                   | 200.0 | 200.0 | 175.4 | 174.2                                                                                    | 174.2 | 164.8 | 136.6 | 10                                                                                  |    |  |  |            |  |
| 12                                                                                                                                                                                        | 215.4 | 215.4 | 207.7 | 207.7 | 200.0                                                                                   | 200.0 | 200.0 | 175.4 | 174.2                                                                                    | 174.2 | 164.8 | 136.6 | 12                                                                                  |    |  |  |            |  |
| 15                                                                                                                                                                                        | 191.1 | 191.1 | 191.1 | 191.1 | 184.3                                                                                   | 184.3 | 184.3 | 175.4 | 174.2                                                                                    | 172.4 | 164.8 | 136.6 | 15                                                                                  |    |  |  |            |  |
| 20                                                                                                                                                                                        | 156.0 | 156.0 | 156.0 | 142.0 | 151.5                                                                                   | 151.5 | 147.0 | 131.0 | 146.6                                                                                    | 146.6 | 138.5 | 121.7 | 20                                                                                  |    |  |  |            |  |
| 25                                                                                                                                                                                        | 123.8 | 117.8 | 112.1 | 104.4 | 123.5                                                                                   | 115.1 | 107.6 | 97.6  | 122.5                                                                                    | 112.2 | 103.2 | 91.8  | 25                                                                                  |    |  |  |            |  |
| 30                                                                                                                                                                                        | 92.8  | 89.6  | 86.5  | 82.1  | 92.8                                                                                    | 87.8  | 83.2  | 77.0  | 92.2                                                                                     | 85.9  | 80.3  | 72.8  | 30                                                                                  |    |  |  |            |  |
| 35                                                                                                                                                                                        | 50.3  | 50.3  | 50.3  | 50.3  | 74.0                                                                                    | 72.6  | 69.6  | 65.3  | 72.8                                                                                     | 68.7  | 65.4  | 63.6  | 35                                                                                  |    |  |  |            |  |
| 40                                                                                                                                                                                        | -     | -     | -     | -     | 62.3                                                                                    | 60.2  | 58.1  | 55.2  | 62.0                                                                                     | 60.6  | 57.8  | 53.9  | 40                                                                                  |    |  |  |            |  |
| 45                                                                                                                                                                                        | -     | -     | -     | -     | 52.4                                                                                    | 51.0  | 49.6  | 47.7  | 53.6                                                                                     | 51.4  | 49.4  | 46.5  | 45                                                                                  |    |  |  |            |  |
| 50                                                                                                                                                                                        | -     | -     | -     | -     | -                                                                                       | -     | -     | -     | 46.1                                                                                     | 44.5  | 42.9  | 40.8  | 50                                                                                  |    |  |  |            |  |
| 55                                                                                                                                                                                        | -     | -     | -     | -     | -                                                                                       | -     | -     | -     | 40.2                                                                                     | 39.0  | 37.9  | 36.2  | 55                                                                                  |    |  |  |            |  |
| 60                                                                                                                                                                                        | -     | -     | -     | -     | -                                                                                       | -     | -     | -     | 35.4                                                                                     | 34.6  | 33.8  | 32.7  | 60                                                                                  |    |  |  |            |  |

|  | 86.1 ft  |       |       |       | 100.5 ft |       |      |      | 114.9 ft |      |      |      |  |    |
|-----------------------------------------------------------------------------------|----------|-------|-------|-------|----------|-------|------|------|----------|------|------|------|-------------------------------------------------------------------------------------|----|
|                                                                                   | 0.5°     | 1.5°  | 2.5°  | 4°    | 0.5°     | 1.5°  | 2.5° | 4°   | 0.5°     | 1.5° | 2.5° | 4°   |                                                                                     |    |
| ft                                                                                | 1,000 lb |       |       |       |          |       |      |      |          |      |      |      |                                                                                     | ft |
| 10                                                                                | 145.5    | 145.5 | 134.7 | 100.4 | -        | -     | -    | -    | -        | -    | -    | -    | 10                                                                                  |    |
| 12                                                                                | 145.5    | 145.5 | 134.7 | 100.4 | 111.8    | 107.3 | 98.9 | 68.9 | -        | -    | -    | -    | 12                                                                                  |    |
| 15                                                                                | 145.5    | 145.5 | 134.7 | 100.4 | 107.2    | 106.3 | 92.8 | 68.9 | 84.9     | 83.3 | 76.7 | 50.7 | 15                                                                                  |    |
| 20                                                                                | 135.2    | 128.6 | 122.8 | 100.4 | 106.3    | 106.3 | 92.8 | 68.9 | 83.0     | 76.7 | 71.3 | 50.7 | 20                                                                                  |    |
| 25                                                                                | 118.3    | 108.5 | 98.4  | 88.6  | 106.2    | 101.5 | 92.8 | 68.9 | 77.7     | 76.7 | 68.1 | 50.7 | 25                                                                                  |    |
| 30                                                                                | 91.6     | 86.1  | 79.5  | 71.1  | 91.8     | 83.3  | 76.1 | 66.9 | 77.7     | 75.9 | 68.1 | 50.7 | 30                                                                                  |    |
| 35                                                                                | 74.2     | 69.2  | 64.7  | 59.2  | 72.7     | 67.5  | 64.9 | 58.2 | 73.1     | 67.7 | 62.1 | 50.7 | 35                                                                                  |    |
| 40                                                                                | 61.0     | 57.8  | 56.4  | 52.0  | 62.6     | 58.4  | 54.6 | 49.6 | 61.1     | 56.4 | 52.3 | 46.8 | 40                                                                                  |    |
| 45                                                                                | 53.6     | 50.9  | 48.4  | 45.0  | 52.8     | 49.7  | 46.8 | 42.9 | 51.4     | 47.9 | 44.7 | 40.4 | 45                                                                                  |    |
| 50                                                                                | 46.1     | 44.0  | 42.1  | 39.4  | 45.4     | 42.9  | 40.7 | 37.6 | 44.1     | 41.3 | 39.0 | 37.5 | 50                                                                                  |    |
| 55                                                                                | 40.2     | 38.6  | 37.1  | 34.9  | 39.5     | 37.6  | 35.8 | 33.2 | 38.5     | 37.6 | 36.1 | 33.3 | 55                                                                                  |    |
| 60                                                                                | 35.4     | 34.1  | 32.9  | 31.2  | 34.7     | 33.2  | 31.7 | 29.7 | 35.6     | 33.8 | 32.1 | 29.8 | 60                                                                                  |    |
| 65                                                                                | 31.5     | 30.5  | 29.5  | 28.2  | 30.8     | 29.6  | 28.4 | 26.6 | 31.7     | 30.2 | 28.8 | 26.8 | 65                                                                                  |    |
| 70                                                                                | 28.2     | 27.4  | 26.7  | 26.3  | 27.5     | 26.5  | 25.5 | 24.1 | 28.4     | 27.2 | 26.0 | 24.3 | 70                                                                                  |    |
| 75                                                                                | 25.4     | 24.9  | 25.4  | 24.7  | 24.7     | 23.9  | 23.1 | 21.9 | 25.6     | 24.6 | 23.6 | 22.2 | 75                                                                                  |    |
| 80                                                                                | -        | -     | -     | -     | 22.4     | 21.7  | 21.0 | 20.0 | 23.2     | 22.3 | 21.5 | 20.3 | 80                                                                                  |    |
| 85                                                                                | -        | -     | -     | -     | 20.3     | 19.8  | 19.2 | 18.7 | 21.1     | 20.4 | 19.7 | 18.6 | 85                                                                                  |    |
| 90                                                                                | -        | -     | -     | -     | 18.5     | 18.3  | 18.2 | 18.1 | 19.3     | 18.7 | 18.1 | 17.4 | 90                                                                                  |    |
| 95                                                                                | -        | -     | -     | -     | -        | -     | -    | -    | 17.7     | 17.2 | 17.0 | 16.8 | 95                                                                                  |    |
| 100                                                                               | -        | -     | -     | -     | -        | -     | -    | -    | 16.3     | 16.4 | 16.3 | 15.8 | 100                                                                                 |    |

# Operation

MB

| 70,100 lb + 13,180 lb |      |      |      |      | 19'0"    |      |      |      | 20 mph   |      |      |      | 360° | ASME B30.5 |
|-----------------------|------|------|------|------|----------|------|------|------|----------|------|------|------|------|------------|
| 129.3 ft              |      |      |      |      | 143.7 ft |      |      |      | 158.1 ft |      |      |      |      |            |
| ft                    | 0.5° | 1.5° | 2.5° | 4°   | 0.5°     | 1.5° | 2.5° | 4°   | 0.5°     | 1.5° | 2.5° | 4°   | ft   |            |
| 1,000 lb              |      |      |      |      |          |      |      |      |          |      |      |      |      |            |
| 20                    | 66.4 | 64.3 | 59.6 | 43.1 | -        | -    | -    | -    | -        | -    | -    | -    | 20   |            |
| 25                    | 65.1 | 60.0 | 56.0 | 43.1 | 52.8     | 50.7 | 46.9 | 33.8 | -        | -    | -    | -    | 25   |            |
| 30                    | 59.6 | 55.6 | 52.3 | 43.1 | 51.8     | 47.8 | 44.6 | 33.8 | 41.8     | 40.9 | 37.9 | 30.0 | 30   |            |
| 35                    | 53.4 | 50.3 | 47.6 | 43.1 | 48.5     | 45.0 | 42.2 | 33.8 | 41.8     | 38.8 | 36.1 | 30.0 | 35   |            |
| 40                    | 49.0 | 46.6 | 44.6 | 42.1 | 45.3     | 42.3 | 39.9 | 32.5 | 39.7     | 36.6 | 34.2 | 30.0 | 40   |            |
| 45                    | 46.1 | 44.1 | 42.4 | 40.2 | 41.8     | 39.5 | 37.5 | 31.1 | 37.2     | 34.5 | 32.4 | 29.1 | 45   |            |
| 50                    | 43.2 | 41.8 | 39.1 | 35.3 | 38.4     | 36.5 | 34.8 | 29.6 | 34.9     | 32.6 | 30.7 | 27.9 | 50   |            |
| 55                    | 39.2 | 36.7 | 34.4 | 31.3 | 35.4     | 33.9 | 32.5 | 28.0 | 32.8     | 30.8 | 29.1 | 26.7 | 55   |            |
| 60                    | 34.4 | 32.4 | 30.5 | 27.9 | 32.9     | 31.2 | 29.2 | 26.5 | 30.4     | 28.9 | 27.6 | 25.6 | 60   |            |
| 65                    | 30.6 | 28.9 | 27.3 | 25.1 | 29.6     | 27.7 | 26.3 | 25.2 | 28.3     | 26.6 | 25.7 | 23.6 | 65   |            |
| 70                    | 27.3 | 25.9 | 24.5 | 22.6 | 26.4     | 25.6 | 24.8 | 22.8 | 26.1     | 25.1 | 23.5 | 21.3 | 70   |            |
| 75                    | 24.6 | 23.3 | 22.2 | 20.5 | 25.0     | 23.8 | 22.5 | 20.7 | 24.1     | 22.6 | 21.2 | 21.2 | 75   |            |
| 80                    | 22.1 | 21.1 | 20.1 | 18.7 | 22.7     | 21.6 | 20.4 | 18.9 | 21.7     | 20.4 | 19.6 | 19.7 | 80   |            |
| 85                    | 20.0 | 19.1 | 18.3 | 17.1 | 20.6     | 19.6 | 18.7 | 17.3 | 19.7     | 19.2 | 18.6 | 18.7 | 85   |            |
| 90                    | 18.2 | 17.4 | 16.7 | 15.7 | 18.8     | 17.9 | 17.1 | 16.6 | 18.7     | 18.0 | 17.0 | 17.1 | 90   |            |
| 95                    | 16.6 | 15.9 | 15.3 | 15.3 | 17.2     | 16.6 | 16.3 | 15.5 | 17.3     | 16.5 | 15.6 | 15.7 | 95   |            |
| 100                   | 15.2 | 14.6 | 14.3 | 14.6 | 15.7     | 15.8 | 15.3 | 14.3 | 15.9     | 15.1 | 14.4 | 14.5 | 100  |            |
| 110                   | 12.8 | 13.2 | 13.1 | 14.0 | 13.2     | 13.6 | 13.1 | 12.3 | 13.4     | 12.8 | 12.2 | 13.3 | 110  |            |
| 120                   | 10.9 | 12.2 | 12.0 | 12.9 | 11.3     | 11.7 | 11.3 | 10.8 | 11.4     | 10.9 | 10.5 | 11.4 | 120  |            |
| 130                   | -    | -    | -    | 11.6 | 9.6      | 10.2 | 9.9  | 9.5  | 9.7      | 9.4  | 9.0  | 9.8  | 130  |            |
| 140                   | -    | -    | -    | -    | -        | -    | -    | -    | 8.4      | 8.1  | 7.8  | 8.5  | 140  |            |
| 150                   | -    | -    | -    | -    | -        | -    | -    | -    | -        | -    | -    | 7.4  | 150  |            |

| 172.6 ft |      |      |      |      | 187.0 ft |      |      |      | 200.1 ft |      |      |      |     |  |
|----------|------|------|------|------|----------|------|------|------|----------|------|------|------|-----|--|
| ft       | 0.5° | 1.5° | 2.5° | 4°   | 0.5°     | 1.5° | 2.5° | 4°   | 0.5°     | 1.5° | 2.5° | 4°   | ft  |  |
| 1,000 lb |      |      |      |      |          |      |      |      |          |      |      |      |     |  |
| 35       | 33.2 | 33.2 | 31.2 | 24.9 | -        | -    | -    | -    | -        | -    | -    | -    | 35  |  |
| 40       | 33.2 | 32.3 | 30.0 | 24.9 | 26.6     | 26.6 | 24.9 | 18.3 | -        | -    | -    | -    | 40  |  |
| 45       | 33.2 | 30.7 | 28.6 | 24.9 | 26.6     | 26.6 | 24.9 | 18.3 | 22.9     | 22.9 | 17.5 | 11.8 | 45  |  |
| 50       | 31.5 | 29.2 | 27.3 | 24.3 | 26.6     | 26.1 | 24.4 | 18.3 | 22.9     | 22.9 | 17.5 | 11.8 | 50  |  |
| 55       | 29.8 | 27.7 | 26.0 | 23.4 | 26.6     | 25.0 | 23.4 | 18.3 | 22.9     | 22.6 | 17.5 | 11.8 | 55  |  |
| 60       | 28.1 | 26.3 | 24.8 | 22.6 | 25.8     | 23.9 | 22.4 | 18.3 | 22.9     | 21.6 | 17.5 | 11.8 | 60  |  |
| 65       | 26.6 | 25.0 | 23.6 | 21.7 | 24.5     | 22.8 | 21.5 | 18.3 | 22.4     | 20.7 | 17.5 | 11.8 | 65  |  |
| 70       | 25.1 | 23.7 | 22.3 | 21.0 | 23.3     | 21.8 | 20.6 | 18.3 | 21.4     | 19.9 | 17.5 | 11.8 | 70  |  |
| 75       | 23.1 | 21.8 | 21.1 | 19.5 | 22.1     | 20.8 | 19.7 | 18.2 | 20.4     | 19.0 | 17.5 | 11.8 | 75  |  |
| 80       | 21.5 | 20.8 | 19.6 | 17.7 | 21.1     | 19.9 | 18.5 | 16.5 | 19.4     | 18.2 | 17.1 | 11.8 | 80  |  |
| 85       | 20.2 | 19.0 | 17.8 | 16.2 | 19.3     | 18.0 | 16.7 | 15.0 | 18.5     | 17.4 | 16.2 | 11.8 | 85  |  |
| 90       | 18.4 | 17.3 | 16.3 | 14.9 | 17.5     | 16.3 | 15.2 | 13.7 | 17.2     | 16.0 | 14.8 | 11.8 | 90  |  |
| 95       | 16.8 | 15.8 | 14.9 | 13.6 | 15.9     | 14.8 | 13.9 | 12.5 | 15.7     | 14.6 | 13.5 | 11.8 | 95  |  |
| 100      | 15.3 | 14.5 | 13.7 | 12.5 | 14.4     | 13.5 | 12.6 | 11.4 | 14.4     | 13.3 | 12.4 | 11.0 | 100 |  |
| 110      | 12.9 | 12.2 | 11.5 | 10.6 | 12.0     | 11.2 | 10.5 | 9.5  | 11.9     | 11.1 | 10.3 | 9.2  | 110 |  |
| 120      | 10.8 | 10.3 | 9.8  | 9.0  | 10.0     | 9.4  | 8.8  | 8.0  | 9.9      | 9.3  | 8.6  | 7.7  | 120 |  |
| 130      | 9.2  | 8.7  | 8.3  | 7.7  | 8.3      | 7.8  | 7.3  | 6.7  | 8.3      | 7.7  | 7.2  | 6.4  | 130 |  |
| 140      | 7.8  | 7.4  | 7.1  | 6.6  | 6.9      | 6.5  | 6.1  | 5.5  | 6.9      | 6.4  | 6.0  | 5.3  | 140 |  |
| 150      | 6.6  | 6.3  | 6.0  | 5.6  | 5.7      | 5.4  | 5.0  | 4.6  | 5.7      | 5.3  | 4.9  | 4.4  | 150 |  |
| 160      | 5.6  | 5.4  | 5.2  | 4.9  | 4.7      | 4.4  | 4.2  | 3.8  | 4.6      | 4.3  | 4.0  | 3.5  | 160 |  |
| 170      | -    | -    | -    | -    | 3.9      | 3.6  | 3.4  | 3.1  | 3.7      | 3.5  | 3.2  | 2.9  | 170 |  |
| 180      | -    | -    | -    | -    | -        | -    | -    | -    | 3.0      | 2.8  | 2.6  | 2.3  | 180 |  |
| 190      | -    | -    | -    | -    | -        | -    | -    | -    | 2.4      | 2.2  | -    | -    | 190 |  |



# Operation

MB

|  40,300 lb +  13,180 lb |       |       |       |       |  19'0" |       |       |       |  20 mph |       |       |       | 360°                                                                                |  | ASME B30.5 |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-----------------------------------------------------------------------------------------|-------|-------|-------|------------------------------------------------------------------------------------------|-------|-------|-------|-------------------------------------------------------------------------------------|--|------------|--|
|  42.8 ft                                                                                                 |       |       |       |       | 57.2 ft                                                                                 |       |       |       | 71.6 ft                                                                                  |       |       |       |  |  |            |  |
| 0.5° 1.5° 2.5° 4°                                                                                                                                                                         |       |       |       |       | 0.5° 1.5° 2.5° 4°                                                                       |       |       |       | 0.5° 1.5° 2.5° 4°                                                                        |       |       |       |                                                                                     |  |            |  |
| ft                                                                                                                                                                                        |       |       |       |       | 1,000 lb                                                                                |       |       |       |                                                                                          |       |       |       | ft                                                                                  |  |            |  |
| 8                                                                                                                                                                                         | 207.7 | 207.7 | 207.7 | 207.7 | 200.0                                                                                   | 200.0 | 200.0 | 175.4 | 174.2                                                                                    | 174.2 | 164.8 | 136.6 | 8                                                                                   |  |            |  |
| 10                                                                                                                                                                                        | 207.7 | 207.7 | 207.7 | 207.7 | 200.0                                                                                   | 200.0 | 200.0 | 175.4 | 174.2                                                                                    | 174.2 | 164.8 | 136.6 | 10                                                                                  |  |            |  |
| 12                                                                                                                                                                                        | 207.7 | 207.7 | 207.7 | 207.7 | 200.0                                                                                   | 200.0 | 200.0 | 175.4 | 174.2                                                                                    | 174.2 | 164.8 | 136.6 | 12                                                                                  |  |            |  |
| 15                                                                                                                                                                                        | 191.1 | 191.1 | 191.1 | 172.6 | 184.3                                                                                   | 184.3 | 184.1 | 154.1 | 174.2                                                                                    | 172.4 | 164.8 | 136.6 | 15                                                                                  |  |            |  |
| 20                                                                                                                                                                                        | 142.9 | 132.7 | 123.7 | 111.8 | 142.1                                                                                   | 128.8 | 117.4 | 103.2 | 140.6                                                                                    | 124.6 | 111.5 | 95.7  | 20                                                                                  |  |            |  |
| 25                                                                                                                                                                                        | 97.1  | 92.2  | 87.7  | 81.5  | 97.1                                                                                    | 90.3  | 84.2  | 79.1  | 96.3                                                                                     | 88.0  | 80.8  | 76.0  | 25                                                                                  |  |            |  |
| 30                                                                                                                                                                                        | 72.1  | 69.5  | 67.0  | 63.5  | 75.1                                                                                    | 71.0  | 67.2  | 62.1  | 75.4                                                                                     | 71.2  | 66.5  | 60.3  | 30                                                                                  |  |            |  |
| 35                                                                                                                                                                                        | 50.3  | 50.3  | 50.3  | 50.3  | 59.1                                                                                    | 56.5  | 54.0  | 50.6  | 60.4                                                                                     | 56.9  | 53.8  | 49.5  | 35                                                                                  |  |            |  |
| 40                                                                                                                                                                                        | -     | -     | -     | -     | 48.1                                                                                    | 46.4  | 44.8  | 42.4  | 49.4                                                                                     | 47.0  | 44.8  | 41.8  | 40                                                                                  |  |            |  |
| 45                                                                                                                                                                                        | -     | -     | -     | -     | 40.1                                                                                    | 39.0  | 37.9  | 36.3  | 41.4                                                                                     | 39.7  | 38.1  | 35.8  | 45                                                                                  |  |            |  |
| 50                                                                                                                                                                                        | -     | -     | -     | -     | -                                                                                       | -     | -     | -     | 35.4                                                                                     | 34.1  | 32.9  | 31.1  | 50                                                                                  |  |            |  |
| 55                                                                                                                                                                                        | -     | -     | -     | -     | -                                                                                       | -     | -     | -     | 30.6                                                                                     | 29.7  | 28.7  | 27.4  | 55                                                                                  |  |            |  |
| 60                                                                                                                                                                                        | -     | -     | -     | -     | -                                                                                       | -     | -     | -     | 26.8                                                                                     | 26.1  | 25.4  | 24.5  | 60                                                                                  |  |            |  |

|  | 86.1 ft  |       |       |       | 100.5 ft |       |      |      | 114.9 ft |      |      |      |  |
|-----------------------------------------------------------------------------------|----------|-------|-------|-------|----------|-------|------|------|----------|------|------|------|-------------------------------------------------------------------------------------|
|                                                                                   | 0.5°     | 1.5°  | 2.5°  | 4°    | 0.5°     | 1.5°  | 2.5° | 4°   | 0.5°     | 1.5° | 2.5° | 4°   |                                                                                     |
| ft                                                                                | 1,000 lb |       |       |       |          |       |      |      |          |      |      |      | ft                                                                                  |
| 10                                                                                | 145.5    | 145.5 | 134.7 | 100.4 | -        | -     | -    | -    | -        | -    | -    | -    | 10                                                                                  |
| 12                                                                                | 145.5    | 145.5 | 134.7 | 100.4 | 111.8    | 107.3 | 98.9 | 68.9 | -        | -    | -    | -    | 12                                                                                  |
| 15                                                                                | 145.5    | 145.5 | 134.7 | 100.4 | 107.2    | 106.3 | 92.8 | 68.9 | 84.9     | 83.3 | 76.7 | 50.7 | 15                                                                                  |
| 20                                                                                | 135.2    | 119.6 | 105.3 | 90.1  | 106.3    | 106.3 | 92.8 | 68.9 | 83.0     | 76.7 | 71.3 | 50.7 | 20                                                                                  |
| 25                                                                                | 97.7     | 87.9  | 79.7  | 71.6  | 95.6     | 84.7  | 78.1 | 64.6 | 77.7     | 76.7 | 68.1 | 50.7 | 25                                                                                  |
| 30                                                                                | 73.3     | 70.0  | 64.7  | 57.7  | 75.0     | 68.1  | 62.1 | 54.6 | 73.2     | 65.5 | 59.1 | 50.7 | 30                                                                                  |
| 35                                                                                | 60.3     | 56.2  | 52.5  | 47.6  | 59.4     | 54.7  | 50.5 | 45.1 | 57.8     | 52.6 | 48.1 | 42.3 | 35                                                                                  |
| 40                                                                                | 49.4     | 46.5  | 43.8  | 40.2  | 48.6     | 45.3  | 42.2 | 38.1 | 47.6     | 45.7 | 42.3 | 37.8 | 40                                                                                  |
| 45                                                                                | 41.4     | 39.3  | 37.2  | 35.3  | 40.7     | 38.2  | 35.8 | 32.7 | 41.6     | 38.8 | 36.1 | 32.6 | 45                                                                                  |
| 50                                                                                | 35.4     | 34.3  | 33.4  | 31.2  | 34.7     | 32.7  | 30.9 | 28.4 | 35.6     | 33.4 | 31.3 | 28.5 | 50                                                                                  |
| 55                                                                                | 31.8     | 30.5  | 29.3  | 27.5  | 29.9     | 28.4  | 26.9 | 25.7 | 30.9     | 29.1 | 27.4 | 25.4 | 55                                                                                  |
| 60                                                                                | 27.9     | 26.9  | 25.9  | 24.5  | 26.1     | 25.2  | 24.7 | 23.7 | 27.0     | 25.6 | 24.6 | 23.3 | 60                                                                                  |
| 65                                                                                | 24.7     | 23.9  | 23.1  | 22.0  | 24.0     | 23.6  | 22.7 | 21.3 | 24.2     | 23.6 | 22.5 | 20.9 | 65                                                                                  |
| 70                                                                                | 22.0     | 21.4  | 20.8  | 19.9  | 22.0     | 21.1  | 20.3 | 19.2 | 22.2     | 21.1 | 20.2 | 18.8 | 70                                                                                  |
| 75                                                                                | 19.8     | 19.4  | 18.9  | 18.3  | 19.7     | 19.0  | 18.4 | 17.4 | 19.9     | 19.0 | 18.2 | 17.0 | 75                                                                                  |
| 80                                                                                | -        | -     | -     | -     | 17.8     | 17.2  | 16.7 | 15.9 | 17.9     | 17.2 | 16.5 | 15.5 | 80                                                                                  |
| 85                                                                                | -        | -     | -     | -     | 16.1     | 15.7  | 15.2 | 14.6 | 16.2     | 15.6 | 15.0 | 14.2 | 85                                                                                  |
| 90                                                                                | -        | -     | -     | -     | 14.7     | 14.4  | 14.0 | 13.6 | 14.8     | 14.2 | 13.8 | 13.0 | 90                                                                                  |
| 95                                                                                | -        | -     | -     | -     | -        | -     | -    | -    | 13.5     | 13.0 | 12.6 | 12.0 | 95                                                                                  |
| 100                                                                               | -        | -     | -     | -     | -        | -     | -    | -    | 12.3     | 12.0 | 11.7 | 11.2 | 100                                                                                 |

# Operation

MB

| 40,300 lb + 13,180 lb |      |      |      |      | 19'0"    |      |      |      | 20 mph   |      |      |      | 360° |      |      |      | ASME B30.5 |
|-----------------------|------|------|------|------|----------|------|------|------|----------|------|------|------|------|------|------|------|------------|
| 129.3 ft              |      |      |      |      | 143.7 ft |      |      |      | 158.1 ft |      |      |      |      |      |      |      |            |
| ft                    | 0.5° | 1.5° | 2.5° | 4°   | 0.5°     | 1.5° | 2.5° | 4°   | 0.5°     | 1.5° | 2.5° | 4°   | 0.5° | 1.5° | 2.5° | 4°   | ft         |
| 1,000 lb              |      |      |      |      |          |      |      |      |          |      |      |      |      |      |      |      |            |
| 20                    | 66.4 | 64.3 | 59.6 | 43.1 | -        | -    | -    | -    | -        | -    | -    | -    | -    | -    | -    | -    | 20         |
| 25                    | 65.1 | 60.0 | 56.0 | 43.1 | 52.8     | 50.7 | 46.9 | 33.8 | -        | -    | -    | -    | -    | -    | -    | -    | 25         |
| 30                    | 59.6 | 55.6 | 52.3 | 43.1 | 51.8     | 47.8 | 44.6 | 33.8 | 41.8     | 40.9 | 37.9 | 30.0 | 41.8 | 38.8 | 36.1 | 30.0 | 30         |
| 35                    | 53.4 | 50.3 | 47.0 | 41.7 | 48.5     | 45.0 | 42.2 | 33.8 | 41.8     | 38.8 | 36.1 | 30.0 | 39.7 | 36.6 | 34.2 | 30.0 | 35         |
| 40                    | 48.1 | 43.9 | 40.2 | 35.4 | 45.3     | 42.1 | 38.4 | 32.5 | 39.7     | 36.6 | 34.2 | 30.0 | 36.8 | 33.4 | 31.4 | 28.1 | 40         |
| 45                    | 40.3 | 37.1 | 34.3 | 30.5 | 39.3     | 35.8 | 33.1 | 30.3 | 36.8     | 33.4 | 31.4 | 28.1 | 33.3 | 30.6 | 28.1 | 25.2 | 45         |
| 50                    | 34.4 | 31.9 | 29.6 | 26.5 | 34.0     | 32.3 | 29.8 | 26.5 | 33.3     | 30.6 | 28.1 | 25.2 | 29.2 | 26.9 | 25.8 | 23.0 | 50         |
| 55                    | 29.7 | 27.7 | 25.8 | 23.3 | 30.4     | 28.1 | 26.1 | 23.8 | 29.2     | 26.9 | 25.8 | 23.0 | 26.4 | 24.7 | 22.9 | 20.4 | 55         |
| 60                    | 25.8 | 24.2 | 22.7 | 21.3 | 26.5     | 24.7 | 23.6 | 21.6 | 26.4     | 24.7 | 22.9 | 20.4 | 23.5 | 21.8 | 20.3 | 18.2 | 60         |
| 65                    | 22.7 | 21.5 | 20.8 | 20.0 | 23.7     | 22.8 | 21.3 | 19.4 | 23.5     | 21.8 | 20.3 | 18.2 | 20.9 | 19.4 | 18.1 | 16.3 | 65         |
| 70                    | 20.6 | 20.1 | 19.6 | 18.1 | 21.6     | 20.3 | 19.1 | 17.4 | 20.9     | 19.4 | 18.1 | 16.3 | 18.6 | 17.4 | 16.3 | 14.7 | 70         |
| 75                    | 19.4 | 18.6 | 17.7 | 16.4 | 19.4     | 18.2 | 17.2 | 15.7 | 18.6     | 17.4 | 16.3 | 14.7 | 16.7 | 15.6 | 14.6 | 13.3 | 75         |
| 80                    | 17.7 | 16.8 | 16.0 | 14.9 | 17.4     | 16.4 | 15.5 | 14.3 | 16.7     | 15.6 | 14.6 | 13.3 | 15.0 | 14.1 | 13.2 | 12.0 | 80         |
| 85                    | 16.0 | 15.2 | 14.5 | 13.5 | 15.7     | 14.9 | 14.1 | 13.0 | 15.0     | 14.1 | 13.2 | 12.0 | 13.5 | 12.7 | 11.9 | 10.8 | 85         |
| 90                    | 14.5 | 13.8 | 13.2 | 12.4 | 14.2     | 13.5 | 12.8 | 11.8 | 13.5     | 12.7 | 11.9 | 10.8 | 12.2 | 11.5 | 10.8 | 9.8  | 90         |
| 95                    | 13.1 | 12.6 | 12.1 | 11.3 | 12.9     | 12.2 | 11.6 | 10.8 | 12.2     | 11.5 | 10.8 | 9.8  | 11.0 | 10.4 | 9.8  | 8.9  | 95         |
| 100                   | 12.0 | 11.5 | 11.0 | 10.4 | 11.7     | 11.1 | 10.6 | 9.8  | 11.0     | 10.4 | 9.8  | 8.9  | 9.0  | 8.5  | 8.0  | 7.4  | 100        |
| 110                   | 10.0 | 9.6  | 9.3  | 8.8  | 9.7      | 9.3  | 8.9  | 8.3  | 9.0      | 8.5  | 8.0  | 7.4  | 7.4  | 7.0  | 6.6  | 6.1  | 110        |
| 120                   | 8.4  | 8.2  | 8.0  | 7.7  | 8.1      | 7.8  | 7.5  | 7.0  | 7.4      | 7.0  | 6.6  | 6.1  | 6.0  | 5.7  | 5.4  | 5.0  | 120        |
| 130                   | -    | -    | -    | -    | 6.8      | 6.5  | 6.3  | 6.0  | 6.0      | 5.7  | 5.4  | 5.0  | 4.9  | 4.7  | 4.5  | 4.1  | 130        |
| 140                   | -    | -    | -    | -    | -        | -    | -    | -    | 4.9      | 4.7  | 4.5  | 4.1  |      |      |      |      | 140        |

| 172.6 ft |      |      |      |      | 187.0 ft |      |      |      | 200.1 ft |      |      |      |      |      |      |      |     |
|----------|------|------|------|------|----------|------|------|------|----------|------|------|------|------|------|------|------|-----|
| ft       | 0.5° | 1.5° | 2.5° | 4°   | 0.5°     | 1.5° | 2.5° | 4°   | 0.5°     | 1.5° | 2.5° | 4°   | 0.5° | 1.5° | 2.5° | 4°   | ft  |
| 1,000 lb |      |      |      |      |          |      |      |      |          |      |      |      |      |      |      |      |     |
| 35       | 33.2 | 33.2 | 31.2 | 24.9 | -        | -    | -    | -    | -        | -    | -    | -    | -    | -    | -    | -    | 35  |
| 40       | 33.2 | 32.3 | 30.0 | 24.9 | 26.6     | 26.6 | 24.9 | 18.3 | -        | -    | -    | -    | 22.9 | 22.9 | 17.5 | 11.8 | 40  |
| 45       | 33.2 | 30.7 | 28.6 | 24.9 | 26.6     | 26.6 | 24.9 | 18.3 | 22.9     | 22.9 | 17.5 | 11.8 | 22.9 | 22.9 | 17.5 | 11.8 | 45  |
| 50       | 31.1 | 28.2 | 26.3 | 24.1 | 26.6     | 26.1 | 24.4 | 18.3 | 22.9     | 22.9 | 17.5 | 11.8 | 22.9 | 22.6 | 17.5 | 11.8 | 50  |
| 55       | 28.4 | 26.6 | 24.4 | 21.5 | 26.6     | 24.4 | 22.1 | 18.3 | 22.9     | 22.6 | 17.5 | 11.8 | 22.7 | 20.5 | 17.5 | 11.8 | 55  |
| 60       | 25.6 | 23.5 | 21.6 | 19.1 | 23.6     | 21.5 | 19.6 | 17.0 | 22.7     | 20.5 | 17.5 | 11.8 | 20.1 | 18.2 | 16.5 | 11.8 | 60  |
| 65       | 22.7 | 21.0 | 19.3 | 17.2 | 20.9     | 19.0 | 17.4 | 15.1 | 20.1     | 18.2 | 16.5 | 11.8 | 17.8 | 16.2 | 14.7 | 11.8 | 65  |
| 70       | 20.3 | 18.7 | 17.3 | 15.4 | 18.5     | 16.9 | 15.5 | 13.5 | 17.8     | 16.2 | 14.7 | 11.8 | 15.9 | 14.4 | 13.1 | 11.3 | 70  |
| 75       | 18.0 | 16.7 | 15.5 | 13.8 | 16.5     | 15.1 | 13.8 | 12.0 | 15.9     | 14.4 | 13.1 | 11.3 | 14.1 | 12.9 | 11.7 | 10.1 | 75  |
| 80       | 16.1 | 14.9 | 13.9 | 12.4 | 14.7     | 13.5 | 12.3 | 10.8 | 14.1     | 12.9 | 11.7 | 10.1 | 12.6 | 11.5 | 10.4 | 9.0  | 80  |
| 85       | 14.4 | 13.4 | 12.5 | 11.2 | 13.1     | 12.0 | 11.0 | 9.6  | 12.6     | 11.5 | 10.4 | 9.0  | 11.2 | 10.2 | 9.3  | 8.0  | 85  |
| 90       | 12.9 | 12.0 | 11.2 | 10.1 | 11.7     | 10.7 | 9.8  | 8.6  | 11.2     | 10.2 | 9.3  | 8.0  | 10.0 | 9.1  | 8.3  | 7.1  | 90  |
| 95       | 11.6 | 10.8 | 10.1 | 9.1  | 10.4     | 9.6  | 8.8  | 7.6  | 10.0     | 9.1  | 8.3  | 7.1  | 9.0  | 8.1  | 7.3  | 6.2  | 95  |
| 100      | 10.4 | 9.8  | 9.1  | 8.2  | 9.3      | 8.6  | 7.8  | 6.8  | 9.0      | 8.1  | 7.3  | 6.2  | 8.5  | 7.9  | 7.4  | 6.6  | 100 |
| 110      | 8.5  | 7.9  | 7.4  | 6.6  | 7.4      | 6.8  | 6.2  | 5.3  | 7.1      | 6.4  | 5.7  | 4.8  | 5.5  | 4.9  | 4.4  | 3.6  | 110 |
| 120      | 6.8  | 6.4  | 6.0  | 5.3  | 5.8      | 5.3  | 4.8  | 4.0  | 5.5      | 4.9  | 4.4  | 3.6  | 4.2  | 3.7  | 3.3  | 2.6  | 120 |
| 130      | 5.5  | 5.1  | 4.8  | 4.3  | 4.5      | 4.1  | 3.6  | 3.0  | 4.2      | 3.7  | 3.3  | 2.6  | 3.1  | 2.7  | 2.3  | -    | 130 |
| 140      | 4.4  | 4.1  | 3.8  | 3.4  | 3.4      | 3.0  | 2.6  | -    | 3.1      | 2.7  | 2.3  | -    | -    | -    | -    | -    | 140 |
| 150      | 3.4  | 3.2  | 3.0  | 2.6  | 2.4      | -    | -    | -    | -        | -    | -    | -    | -    | -    | -    | -    | 150 |
| 160      | 2.6  | 2.5  | 2.3  | -    | -        | -    | -    | -    | -        | -    | -    | -    | -    | -    | -    | -    | 160 |

# Operation

MB

|  0 lb +  13,180 lb |          |       |       |    |  19'0" |       |       |    |  20 mph |       |       |    | 360°                                                                                | ASME B30.5 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------|-------|----|-----------------------------------------------------------------------------------------|-------|-------|----|------------------------------------------------------------------------------------------|-------|-------|----|-------------------------------------------------------------------------------------|------------|
|  42.8 ft                                                                                            |          |       |       |    | 57.2 ft                                                                                 |       |       |    | 71.6 ft                                                                                  |       |       |    |  |            |
|                                                                                                     | 0.5°     | 1.5°  | 2.5°  | 4° | 0.5°                                                                                    | 1.5°  | 2.5°  | 4° | 0.5°                                                                                     | 1.5°  | 2.5°  | 4° |  |            |
| ft                                                                                                                                                                                   | 1,000 lb |       |       |    |                                                                                         |       |       |    |                                                                                          |       |       |    | ft                                                                                  |            |
| 8                                                                                                                                                                                    | 207.7    | 207.7 | 207.7 | -  | 200.0                                                                                   | 200.0 | 200.0 | -  | 174.2                                                                                    | 174.2 | 164.8 | -  | 8                                                                                   |            |
| 10                                                                                                                                                                                   | 207.7    | 207.7 | 207.7 | -  | 200.0                                                                                   | 200.0 | 200.0 | -  | 174.2                                                                                    | 174.2 | 164.8 | -  | 10                                                                                  |            |
| 12                                                                                                                                                                                   | 207.7    | 207.7 | 200.8 | -  | 200.0                                                                                   | 200.0 | 174.2 | -  | 174.2                                                                                    | 174.2 | 150.6 | -  | 12                                                                                  |            |
| 15                                                                                                                                                                                   | 164.0    | 144.4 | 128.5 | -  | 162.1                                                                                   | 137.9 | 119.2 | -  | 149.5                                                                                    | 127.0 | 109.7 | -  | 15                                                                                  |            |
| 20                                                                                                                                                                                   | 90.0     | 83.2  | 77.2  | -  | 90.1                                                                                    | 81.6  | 76.8  | -  | 89.1                                                                                     | 81.6  | 74.8  | -  | 20                                                                                  |            |
| 25                                                                                                                                                                                   | 59.6     | 56.3  | 53.3  | -  | 63.1                                                                                    | 58.5  | 54.3  | -  | 64.6                                                                                     | 59.0  | 53.9  | -  | 25                                                                                  |            |
| 30                                                                                                                                                                                   | 43.0     | 41.3  | 39.6  | -  | 46.3                                                                                    | 43.5  | 41.0  | -  | 47.9                                                                                     | 44.4  | 41.2  | -  | 30                                                                                  |            |
| 35                                                                                                                                                                                   | 32.7     | 31.9  | 31.2  | -  | 35.6                                                                                    | 33.8  | 32.1  | -  | 37.1                                                                                     | 34.8  | 32.7  | -  | 35                                                                                  |            |
| 40                                                                                                                                                                                   | -        | -     | -     | -  | 28.3                                                                                    | 27.1  | 25.9  | -  | 29.8                                                                                     | 28.2  | 26.6  | -  | 40                                                                                  |            |
| 45                                                                                                                                                                                   | -        | -     | -     | -  | 22.9                                                                                    | 22.1  | 21.3  | -  | 24.4                                                                                     | 23.2  | 22.1  | -  | 45                                                                                  |            |
| 50                                                                                                                                                                                   | -        | -     | -     | -  | -                                                                                       | -     | -     | -  | 20.3                                                                                     | 19.4  | 18.6  | -  | 50                                                                                  |            |
| 55                                                                                                                                                                                   | -        | -     | -     | -  | -                                                                                       | -     | -     | -  | 17.1                                                                                     | 16.4  | 15.8  | -  | 55                                                                                  |            |
| 60                                                                                                                                                                                   | -        | -     | -     | -  | -                                                                                       | -     | -     | -  | 14.5                                                                                     | 14.0  | 13.6  | -  | 60                                                                                  |            |

|  | 86.1 ft  |       |       |    | 100.5 ft |       |      |    | 114.9 ft |      |      |    |  |
|-----------------------------------------------------------------------------------|----------|-------|-------|----|----------|-------|------|----|----------|------|------|----|-------------------------------------------------------------------------------------|
|                                                                                   | 0.5°     | 1.5°  | 2.5°  | 4° | 0.5°     | 1.5°  | 2.5° | 4° | 0.5°     | 1.5° | 2.5° | 4° |                                                                                     |
| ft                                                                                | 1,000 lb |       |       |    |          |       |      |    |          |      |      |    | ft                                                                                  |
| 10                                                                                | 145.5    | 145.5 | 134.7 | -  | -        | -     | -    | -  | -        | -    | -    | -  | 10                                                                                  |
| 12                                                                                | 145.5    | 145.5 | 128.6 | -  | 111.8    | 107.3 | 98.9 | -  | -        | -    | -    | -  | 12                                                                                  |
| 15                                                                                | 135.6    | 117.8 | 100.5 | -  | 107.2    | 104.9 | 88.3 | -  | 84.9     | 83.3 | 76.7 | -  | 15                                                                                  |
| 20                                                                                | 88.8     | 81.6  | 71.6  | -  | 81.8     | 75.1  | 66.0 | -  | 77.7     | 67.9 | 58.9 | -  | 20                                                                                  |
| 25                                                                                | 64.4     | 57.7  | 52.8  | -  | 62.5     | 55.6  | 49.4 | -  | 60.7     | 53.9 | 48.0 | -  | 25                                                                                  |
| 30                                                                                | 49.2     | 45.1  | 41.4  | -  | 46.8     | 42.1  | 40.2 | -  | 47.2     | 42.5 | 39.3 | -  | 30                                                                                  |
| 35                                                                                | 38.5     | 35.7  | 33.1  | -  | 38.4     | 35.2  | 32.3 | -  | 38.5     | 34.9 | 31.8 | -  | 35                                                                                  |
| 40                                                                                | 31.1     | 29.1  | 27.2  | -  | 31.1     | 28.8  | 26.7 | -  | 31.3     | 28.6 | 26.3 | -  | 40                                                                                  |
| 45                                                                                | 25.7     | 24.2  | 22.8  | -  | 25.7     | 24.0  | 22.3 | -  | 25.9     | 23.9 | 22.1 | -  | 45                                                                                  |
| 50                                                                                | 21.6     | 20.4  | 19.4  | -  | 21.6     | 20.3  | 19.0 | -  | 21.8     | 20.2 | 18.8 | -  | 50                                                                                  |
| 55                                                                                | 18.3     | 17.4  | 16.6  | -  | 18.4     | 17.3  | 16.3 | -  | 18.6     | 17.3 | 16.2 | -  | 55                                                                                  |
| 60                                                                                | 15.7     | 15.0  | 14.3  | -  | 15.8     | 14.9  | 14.0 | -  | 16.0     | 14.9 | 14.0 | -  | 60                                                                                  |
| 65                                                                                | 13.6     | 13.0  | 12.5  | -  | 13.6     | 12.9  | 12.2 | -  | 13.8     | 13.0 | 12.2 | -  | 65                                                                                  |
| 70                                                                                | 11.8     | 11.4  | 10.9  | -  | 11.8     | 11.2  | 10.6 | -  | 12.0     | 11.3 | 10.6 | -  | 70                                                                                  |
| 75                                                                                | 10.3     | 10.0  | 9.7   | -  | 10.3     | 9.8   | 9.3  | -  | 10.5     | 9.9  | 9.3  | -  | 75                                                                                  |
| 80                                                                                | -        | -     | -     | -  | 9.0      | 8.6   | 8.2  | -  | 9.1      | 8.7  | 8.2  | -  | 80                                                                                  |
| 85                                                                                | -        | -     | -     | -  | 7.9      | 7.5   | 7.2  | -  | 8.0      | 7.6  | 7.2  | -  | 85                                                                                  |
| 90                                                                                | -        | -     | -     | -  | 6.9      | 6.7   | 6.5  | -  | 7.0      | 6.7  | 6.3  | -  | 90                                                                                  |
| 95                                                                                | -        | -     | -     | -  | -        | -     | -    | -  | 6.2      | 5.9  | 5.6  | -  | 95                                                                                  |
| 100                                                                               | -        | -     | -     | -  | -        | -     | -    | -  | 5.4      | 5.2  | 4.9  | -  | 100                                                                                 |

# Operation

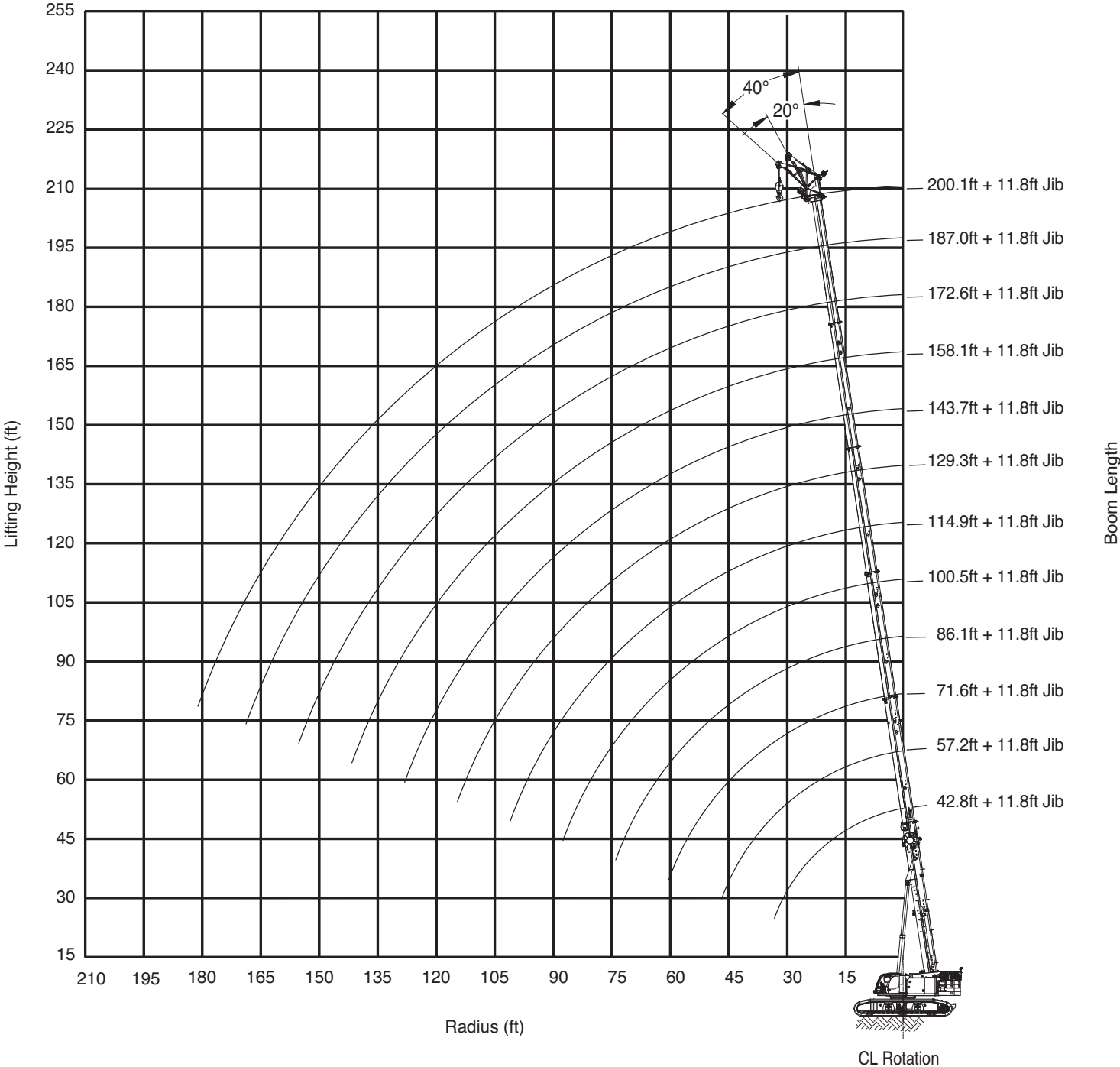
MB

|  0 lb +  13,180 lb |          |      |      |    |  19'0" |      |      |    |  20 mph |      |      |    | 360°                                                                                | ASME B30.5 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------|------|----|-----------------------------------------------------------------------------------------|------|------|----|------------------------------------------------------------------------------------------|------|------|----|-------------------------------------------------------------------------------------|------------|
|   129.3 ft         |          |      |      |    | 143.7 ft                                                                                |      |      |    | 158.1 ft                                                                                 |      |      |    |  |            |
|                    | 0.5°     | 1.5° | 2.5° | 4° | 0.5°                                                                                    | 1.5° | 2.5° | 4° | 0.5°                                                                                     | 1.5° | 2.5° | 4° |  |            |
| ft                                                                                                                                                                                   | 1,000 lb |      |      |    |                                                                                         |      |      |    |                                                                                          |      |      |    |                                                                                     | ft         |
| 20                                                                                                                                                                                   | 66.4     | 61.0 | 53.1 | -  | -                                                                                       | -    | -    | -  | -                                                                                        | -    | -    | -  | -                                                                                   | 20         |
| 25                                                                                                                                                                                   | 56.0     | 48.9 | 43.1 | -  | 49.8                                                                                    | 44.5 | 40.0 | -  | -                                                                                        | -    | -    | -  | -                                                                                   | 25         |
| 30                                                                                                                                                                                   | 43.5     | 38.6 | 36.0 | -  | 42.4                                                                                    | 37.7 | 34.3 | -  | 37.9                                                                                     | 33.6 | 31.2 | -  | -                                                                                   | 30         |
| 35                                                                                                                                                                                   | 36.7     | 33.8 | 30.6 | -  | 35.4                                                                                    | 31.7 | 28.5 | -  | 32.8                                                                                     | 29.1 | 25.8 | -  | -                                                                                   | 35         |
| 40                                                                                                                                                                                   | 31.0     | 28.1 | 25.5 | -  | 29.4                                                                                    | 26.5 | 24.0 | -  | 27.2                                                                                     | 24.3 | 21.7 | -  | -                                                                                   | 40         |
| 45                                                                                                                                                                                   | 25.6     | 23.4 | 21.4 | -  | 24.7                                                                                    | 22.4 | 20.4 | -  | 22.8                                                                                     | 20.4 | 18.4 | -  | -                                                                                   | 45         |
| 50                                                                                                                                                                                   | 21.6     | 19.8 | 18.3 | -  | 21.0                                                                                    | 19.2 | 17.5 | -  | 19.3                                                                                     | 17.4 | 15.7 | -  | -                                                                                   | 50         |
| 55                                                                                                                                                                                   | 18.3     | 17.0 | 15.7 | -  | 18.0                                                                                    | 16.5 | 15.1 | -  | 16.5                                                                                     | 14.9 | 13.4 | -  | -                                                                                   | 55         |
| 60                                                                                                                                                                                   | 15.7     | 14.6 | 13.5 | -  | 15.5                                                                                    | 14.2 | 13.0 | -  | 14.1                                                                                     | 12.7 | 11.5 | -  | -                                                                                   | 60         |
| 65                                                                                                                                                                                   | 13.6     | 12.6 | 11.7 | -  | 13.3                                                                                    | 12.3 | 11.3 | -  | 12.1                                                                                     | 11.0 | 9.9  | -  | -                                                                                   | 65         |
| 70                                                                                                                                                                                   | 11.8     | 11.0 | 10.2 | -  | 11.5                                                                                    | 10.6 | 9.8  | -  | 10.4                                                                                     | 9.4  | 8.5  | -  | -                                                                                   | 70         |
| 75                                                                                                                                                                                   | 10.2     | 9.5  | 8.9  | -  | 10.0                                                                                    | 9.2  | 8.5  | -  | 9.0                                                                                      | 8.1  | 7.3  | -  | -                                                                                   | 75         |
| 80                                                                                                                                                                                   | 8.9      | 8.3  | 7.8  | -  | 8.7                                                                                     | 8.0  | 7.4  | -  | 7.7                                                                                      | 6.9  | 6.2  | -  | -                                                                                   | 80         |
| 85                                                                                                                                                                                   | 7.8      | 7.3  | 6.8  | -  | 7.5                                                                                     | 6.9  | 6.4  | -  | 6.6                                                                                      | 5.9  | 5.3  | -  | -                                                                                   | 85         |
| 90                                                                                                                                                                                   | 6.7      | 6.3  | 5.9  | -  | 6.5                                                                                     | 6.0  | 5.5  | -  | 5.6                                                                                      | 5.0  | 4.4  | -  | -                                                                                   | 90         |
| 95                                                                                                                                                                                   | 5.9      | 5.5  | 5.1  | -  | 5.6                                                                                     | 5.2  | 4.8  | -  | 4.7                                                                                      | 4.2  | 3.7  | -  | -                                                                                   | 95         |
| 100                                                                                                                                                                                  | 5.1      | 4.7  | 4.4  | -  | 4.8                                                                                     | 4.4  | 4.1  | -  | 3.9                                                                                      | 3.5  | 3.0  | -  | -                                                                                   | 100        |
| 110                                                                                                                                                                                  | 3.7      | 3.5  | 3.3  | -  | 3.5                                                                                     | 3.2  | 2.9  | -  | 2.6                                                                                      | 2.2  | -    | -  | -                                                                                   | 110        |
| 120                                                                                                                                                                                  | 2.8      | 2.6  | 2.5  | -  | 2.4                                                                                     | -    | -    | -  | -                                                                                        | -    | -    | -  | -                                                                                   | 120        |

|  | 172.6 ft |      |      |    | 187.0 ft |      |      |    | 200.1 ft |      |      |    |  |    |
|-----------------------------------------------------------------------------------|----------|------|------|----|----------|------|------|----|----------|------|------|----|-------------------------------------------------------------------------------------|----|
|                                                                                   | 0.5°     | 1.5° | 2.5° | 4° | 0.5°     | 1.5° | 2.5° | 4° | 0.5°     | 1.5° | 2.5° | 4° |                                                                                     |    |
| ft                                                                                | 1,000 lb |      |      |    |          |      |      |    |          |      |      |    |                                                                                     | ft |
| 35                                                                                | 29.8     | 26.6 | 23.3 | -  | -        | -    | -    | -  | -        | -    | -    | -  | 35                                                                                  |    |
| 40                                                                                | 25.1     | 22.1 | 19.6 | -  | 22.6     | 19.6 | 17.1 | -  | -        | -    | -    | -  | 40                                                                                  |    |
| 45                                                                                | 21.0     | 18.6 | 16.5 | -  | 18.8     | 16.4 | 14.3 | -  | 17.7     | 15.3 | 13.2 | -  | 45                                                                                  |    |
| 50                                                                                | 17.7     | 15.7 | 14.0 | -  | 15.7     | 13.7 | 11.9 | -  | 14.8     | 12.8 | 11.0 | -  | 50                                                                                  |    |
| 55                                                                                | 15.0     | 13.4 | 11.9 | -  | 13.1     | 11.5 | 10.0 | -  | 12.4     | 10.7 | 9.2  | -  | 55                                                                                  |    |
| 60                                                                                | 12.7     | 11.4 | 10.1 | -  | 11.0     | 9.6  | 8.3  | -  | 10.4     | 8.9  | 7.6  | -  | 60                                                                                  |    |
| 65                                                                                | 10.8     | 9.7  | 8.6  | -  | 9.2      | 8.0  | 6.9  | -  | 8.6      | 7.4  | 6.3  | -  | 65                                                                                  |    |
| 70                                                                                | 9.2      | 8.2  | 7.3  | -  | 7.7      | 6.6  | 5.6  | -  | 7.2      | 6.1  | 5.1  | -  | 70                                                                                  |    |
| 75                                                                                | 7.8      | 6.9  | 6.1  | -  | 6.3      | 5.4  | 4.5  | -  | 5.9      | 4.9  | 4.0  | -  | 75                                                                                  |    |
| 80                                                                                | 6.6      | 5.8  | 5.1  | -  | 5.2      | 4.3  | 3.6  | -  | 4.7      | 3.9  | 3.1  | -  | 80                                                                                  |    |
| 85                                                                                | 5.5      | 4.8  | 4.2  | -  | 4.1      | 3.4  | -    | -  | 3.7      | -    | -    | -  | 85                                                                                  |    |
| 90                                                                                | 4.6      | 4.0  | 3.4  | -  | 3.2      | -    | -    | -  | -        | -    | -    | -  | 90                                                                                  |    |
| 95                                                                                | 3.7      | 3.2  | 2.6  | -  | -        | -    | -    | -  | -        | -    | -    | -  | 95                                                                                  |    |
| 100                                                                               | 3.0      | 2.5  | -    | -  | -        | -    | -    | -  | -        | -    | -    | -  | 100                                                                                 |    |

## Notes

## Heavy lift jib



Tracks fully extended – 360° – Up to 0.5° slope – with heavy lift jib

|  70,100 lb |      |  19'0"    |      |  0.5°     |      |  11.8 ft  |      |  20 mph |      | 360°                                                                                | ASME B30.5 |
|---------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------|------|--------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------|------------|
|  114.9 ft  |      |  172.5 ft |      |  187.0 ft |      |  200.1 ft |      |         |      |  |            |
| 20°                                                                                         |      | 40°                                                                                        |      | 20°                                                                                        |      | 40°                                                                                        |      | 20°                                                                                       |      | 40°                                                                                 |            |
| ft                                                                                          |      |                                                                                            |      | 1,000 lb                                                                                   |      |                                                                                            |      |                                                                                           |      | ft                                                                                  |            |
| 20                                                                                          | 48.9 | -                                                                                          | -    | -                                                                                          | -    | -                                                                                          | -    | -                                                                                         | -    | -                                                                                   | 20         |
| 25                                                                                          | 48.2 | 39.7                                                                                       | -    | -                                                                                          | -    | -                                                                                          | -    | -                                                                                         | -    | -                                                                                   | 25         |
| 30                                                                                          | 46.5 | 38.8                                                                                       | -    | -                                                                                          | -    | -                                                                                          | -    | -                                                                                         | -    | -                                                                                   | 30         |
| 35                                                                                          | 44.9 | 37.9                                                                                       | -    | -                                                                                          | -    | -                                                                                          | -    | -                                                                                         | -    | -                                                                                   | 35         |
| 40                                                                                          | 43.4 | 37.1                                                                                       | 28.9 | 27.8                                                                                       | 23.8 | -                                                                                          | -    | -                                                                                         | -    | -                                                                                   | 40         |
| 45                                                                                          | 42.1 | 36.5                                                                                       | 28.2 | 27.8                                                                                       | 23.8 | 23.1                                                                                       | 20.7 | -                                                                                         | -    | -                                                                                   | 45         |
| 50                                                                                          | 41.0 | 35.9                                                                                       | 26.8 | 27.0                                                                                       | 23.7 | 23.1                                                                                       | 20.7 | 20.3                                                                                      | 20.7 | 20.3                                                                                | 50         |
| 55                                                                                          | 38.4 | 35.4                                                                                       | 25.4 | 25.5                                                                                       | 22.8 | 22.8                                                                                       | 20.5 | 20.3                                                                                      | 20.5 | 20.3                                                                                | 55         |
| 60                                                                                          | 33.6 | 34.0                                                                                       | 24.0 | 24.2                                                                                       | 21.8 | 21.9                                                                                       | 19.8 | 19.8                                                                                      | 19.8 | 19.8                                                                                | 60         |
| 65                                                                                          | 29.6 | 30.0                                                                                       | 22.7 | 22.8                                                                                       | 20.8 | 20.9                                                                                       | 18.9 | 19.1                                                                                      | 18.9 | 19.1                                                                                | 65         |
| 70                                                                                          | 26.3 | 26.5                                                                                       | 21.5 | 21.6                                                                                       | 19.8 | 19.9                                                                                       | 18.1 | 18.2                                                                                      | 18.1 | 18.2                                                                                | 70         |
| 75                                                                                          | 23.4 | 23.7                                                                                       | 20.3 | 20.4                                                                                       | 18.8 | 18.9                                                                                       | 17.2 | 17.4                                                                                      | 17.2 | 17.4                                                                                | 75         |
| 80                                                                                          | 20.9 | 21.1                                                                                       | 19.2 | 19.2                                                                                       | 17.9 | 18.0                                                                                       | 16.4 | 16.6                                                                                      | 16.4 | 16.6                                                                                | 80         |
| 85                                                                                          | 18.8 | 19.0                                                                                       | 18.0 | 18.1                                                                                       | 17.0 | 17.1                                                                                       | 15.6 | 15.7                                                                                      | 15.6 | 15.7                                                                                | 85         |
| 90                                                                                          | 16.9 | 17.0                                                                                       | 16.4 | 16.6                                                                                       | 16.1 | 16.2                                                                                       | 14.9 | 15.0                                                                                      | 14.9 | 15.0                                                                                | 90         |
| 95                                                                                          | 15.3 | 15.3                                                                                       | 14.7 | 15.0                                                                                       | 15.2 | 15.4                                                                                       | 14.1 | 14.2                                                                                      | 14.1 | 14.2                                                                                | 95         |
| 100                                                                                         | 13.8 | -                                                                                          | 13.3 | 13.5                                                                                       | 13.8 | 14.0                                                                                       | 13.3 | 13.5                                                                                      | 13.3 | 13.5                                                                                | 100        |
| 105                                                                                         | 12.5 | -                                                                                          | 11.9 | 12.1                                                                                       | 12.5 | 12.7                                                                                       | 12.1 | 12.3                                                                                      | 12.1 | 12.3                                                                                | 105        |
| 110                                                                                         | 11.3 | -                                                                                          | 10.7 | 10.9                                                                                       | 11.3 | 11.4                                                                                       | 10.9 | 11.1                                                                                      | 10.9 | 11.1                                                                                | 110        |
| 115                                                                                         | -    | -                                                                                          | 9.7  | 9.8                                                                                        | 10.2 | 10.4                                                                                       | 9.9  | 10.1                                                                                      | 9.9  | 10.1                                                                                | 115        |
| 120                                                                                         | -    | -                                                                                          | 8.7  | 8.8                                                                                        | 9.2  | 9.3                                                                                        | 8.9  | 9.1                                                                                       | 8.9  | 9.1                                                                                 | 120        |
| 130                                                                                         | -    | -                                                                                          | 6.9  | 7.0                                                                                        | 7.5  | 7.6                                                                                        | 7.2  | 7.3                                                                                       | 7.2  | 7.3                                                                                 | 130        |
| 140                                                                                         | -    | -                                                                                          | 5.1  | 5.2                                                                                        | 5.8  | 5.9                                                                                        | 5.8  | 5.9                                                                                       | 5.8  | 5.9                                                                                 | 140        |
| 150                                                                                         | -    | -                                                                                          | 3.6  | -                                                                                          | 4.3  | 4.4                                                                                        | 4.3  | 4.3                                                                                       | 4.3  | 4.3                                                                                 | 150        |
| 160                                                                                         | -    | -                                                                                          | 2.2  | -                                                                                          | 3.0  | -                                                                                          | 2.9  | 3.0                                                                                       | 2.9  | 3.0                                                                                 | 160        |
| 170                                                                                         | -    | -                                                                                          | -    | -                                                                                          | 1.8  | -                                                                                          | 1.8  | 1.8                                                                                       | 1.8  | 1.8                                                                                 | 170        |

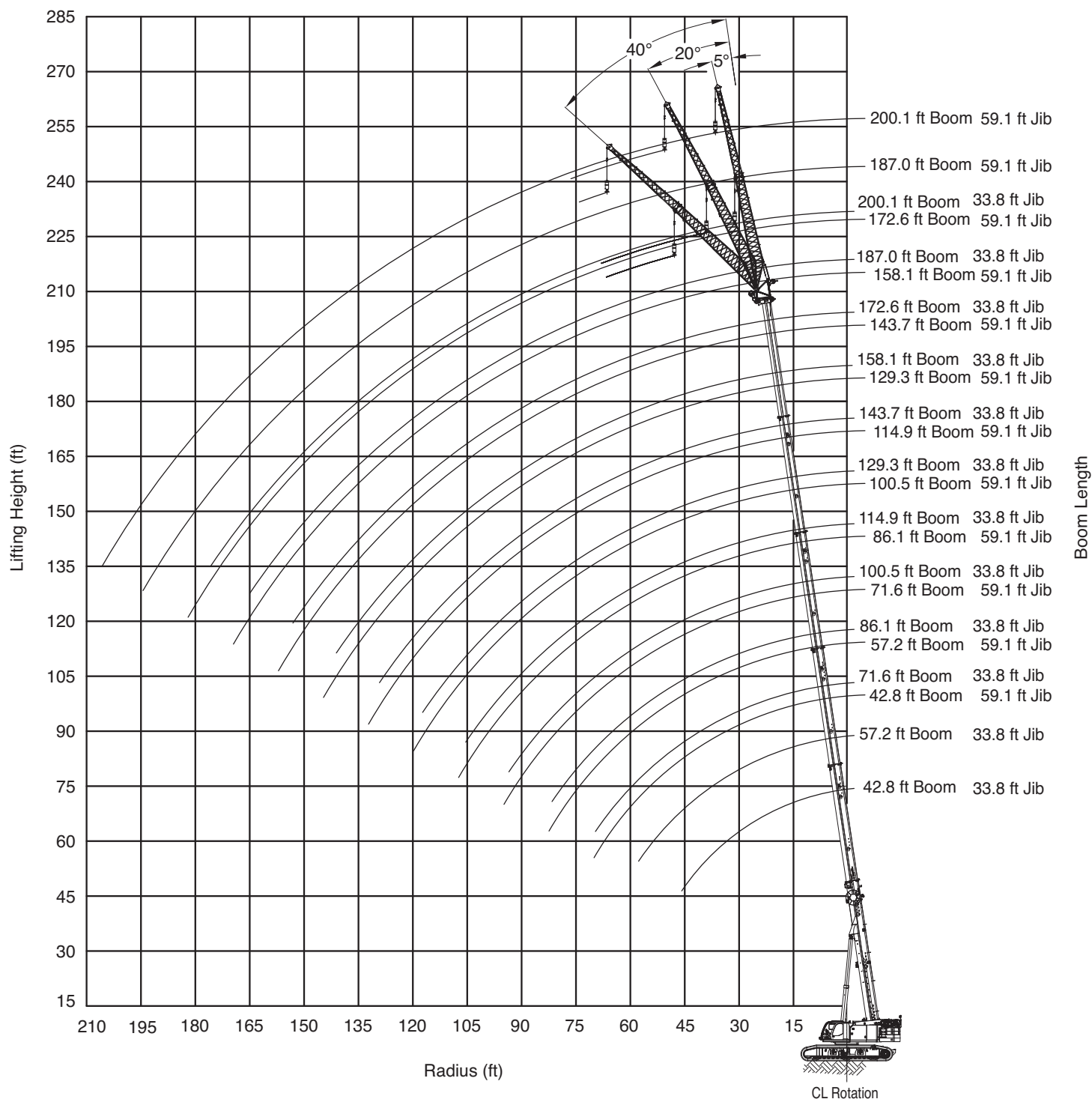
Tracks fully extended – 360° – Up to 2.5° slope – with heavy lift jib

|  70,100 lb |                                                                                   |  19'0" |      |  2.5° |      |  11.8 ft |      |  20 mph |     | 360°                                                                                |     | ASME B30.5 |  |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------|----------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------|------|-------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|-----|------------|--|
|            |  | 114.9 ft                                                                                |      | 172.5 ft                                                                               |      | 187.0 ft                                                                                  |      | 200.1 ft                                                                                  |     |  |     |            |  |
|                                                                                             |                                                                                   | 20°                                                                                     | 40°  | 20°                                                                                    | 40°  | 20°                                                                                       | 40°  | 20°                                                                                       | 40° |                                                                                     |     |            |  |
| ft                                                                                          |                                                                                   | 1,000 lb                                                                                |      |                                                                                        |      |                                                                                           |      |                                                                                           |     |                                                                                     |     | ft         |  |
| 20                                                                                          | 43.9                                                                              | -                                                                                       | -    | -                                                                                      | -    | -                                                                                         | -    | -                                                                                         | -   | -                                                                                   | 20  |            |  |
| 25                                                                                          | 43.9                                                                              | 38.9                                                                                    | -    | -                                                                                      | -    | -                                                                                         | -    | -                                                                                         | -   | -                                                                                   | 25  |            |  |
| 30                                                                                          | 43.9                                                                              | 38.1                                                                                    | -    | -                                                                                      | -    | -                                                                                         | -    | -                                                                                         | -   | -                                                                                   | 30  |            |  |
| 35                                                                                          | 43.7                                                                              | 37.3                                                                                    | -    | -                                                                                      | -    | -                                                                                         | -    | -                                                                                         | -   | -                                                                                   | 35  |            |  |
| 40                                                                                          | 42.4                                                                              | 36.6                                                                                    | 24.9 | 25.2                                                                                   | 21.2 | -                                                                                         | -    | -                                                                                         | -   | -                                                                                   | 40  |            |  |
| 45                                                                                          | 41.2                                                                              | 36.0                                                                                    | 23.9 | 24.1                                                                                   | 20.7 | 20.8                                                                                      | 18.2 | -                                                                                         | -   | -                                                                                   | 45  |            |  |
| 50                                                                                          | 38.5                                                                              | 35.5                                                                                    | 22.8 | 23.0                                                                                   | 20.2 | 20.3                                                                                      | 17.8 | 17.9                                                                                      | -   | -                                                                                   | 50  |            |  |
| 55                                                                                          | 33.7                                                                              | 34.1                                                                                    | 21.8 | 21.9                                                                                   | 19.4 | 19.6                                                                                      | 17.3 | 17.5                                                                                      | -   | -                                                                                   | 55  |            |  |
| 60                                                                                          | 29.7                                                                              | 30.1                                                                                    | 20.7 | 20.9                                                                                   | 18.6 | 18.8                                                                                      | 16.6 | 16.8                                                                                      | -   | -                                                                                   | 60  |            |  |
| 65                                                                                          | 26.4                                                                              | 26.7                                                                                    | 19.8 | 19.9                                                                                   | 17.9 | 18.0                                                                                      | 16.0 | 16.2                                                                                      | -   | -                                                                                   | 65  |            |  |
| 70                                                                                          | 23.5                                                                              | 23.8                                                                                    | 18.8 | 19.0                                                                                   | 17.1 | 17.3                                                                                      | 15.4 | 15.5                                                                                      | -   | -                                                                                   | 70  |            |  |
| 75                                                                                          | 21.1                                                                              | 21.3                                                                                    | 18.0 | 18.1                                                                                   | 16.4 | 16.5                                                                                      | 14.7 | 14.9                                                                                      | -   | -                                                                                   | 75  |            |  |
| 80                                                                                          | 19.0                                                                              | 19.2                                                                                    | 17.1 | 17.2                                                                                   | 15.7 | 15.8                                                                                      | 14.2 | 14.3                                                                                      | -   | -                                                                                   | 80  |            |  |
| 85                                                                                          | 17.1                                                                              | 17.3                                                                                    | 15.7 | 15.9                                                                                   | 15.0 | 15.1                                                                                      | 13.5 | 13.7                                                                                      | -   | -                                                                                   | 85  |            |  |
| 90                                                                                          | 15.5                                                                              | 15.6                                                                                    | 14.1 | 14.4                                                                                   | 14.3 | 14.5                                                                                      | 13.0 | 13.1                                                                                      | -   | -                                                                                   | 90  |            |  |
| 95                                                                                          | 14.0                                                                              | 14.1                                                                                    | 12.7 | 12.9                                                                                   | 13.0 | 13.2                                                                                      | 12.4 | 12.5                                                                                      | -   | -                                                                                   | 95  |            |  |
| 100                                                                                         | 12.7                                                                              | -                                                                                       | 11.4 | 11.6                                                                                   | 11.8 | 12.0                                                                                      | 11.2 | 11.4                                                                                      | -   | -                                                                                   | 100 |            |  |
| 105                                                                                         | 11.5                                                                              | -                                                                                       | 10.3 | 10.5                                                                                   | 10.7 | 10.9                                                                                      | 10.1 | 10.4                                                                                      | -   | -                                                                                   | 105 |            |  |
| 110                                                                                         | 10.5                                                                              | -                                                                                       | 9.3  | 9.4                                                                                    | 9.6  | 9.8                                                                                       | 9.1  | 9.3                                                                                       | -   | -                                                                                   | 110 |            |  |
| 115                                                                                         | -                                                                                 | -                                                                                       | 8.3  | 8.5                                                                                    | 8.7  | 8.9                                                                                       | 8.3  | 8.4                                                                                       | -   | -                                                                                   | 115 |            |  |
| 120                                                                                         | -                                                                                 | -                                                                                       | 7.5  | 7.6                                                                                    | 7.9  | 8.0                                                                                       | 7.4  | 7.6                                                                                       | -   | -                                                                                   | 120 |            |  |
| 130                                                                                         | -                                                                                 | -                                                                                       | 5.7  | 5.8                                                                                    | 6.3  | 6.4                                                                                       | 6.0  | 6.1                                                                                       | -   | -                                                                                   | 130 |            |  |
| 140                                                                                         | -                                                                                 | -                                                                                       | 4.1  | 4.2                                                                                    | 4.7  | 4.8                                                                                       | 4.6  | 4.7                                                                                       | -   | -                                                                                   | 140 |            |  |
| 150                                                                                         | -                                                                                 | -                                                                                       | 2.8  | -                                                                                      | 3.4  | 3.4                                                                                       | 3.2  | 3.3                                                                                       | -   | -                                                                                   | 150 |            |  |
| 160                                                                                         | -                                                                                 | -                                                                                       | -    | -                                                                                      | 2.2  | -                                                                                         | 2.1  | 2.1                                                                                       | -   | -                                                                                   | 160 |            |  |

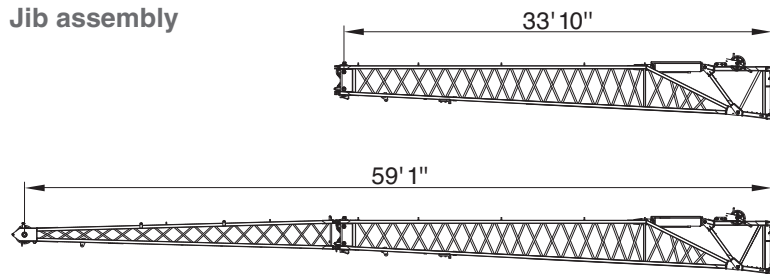


## Notes

## Power tilt jib



## Jib assembly



## Tracks fully extended – 360° – Up to 0.5° slope – Folding jib

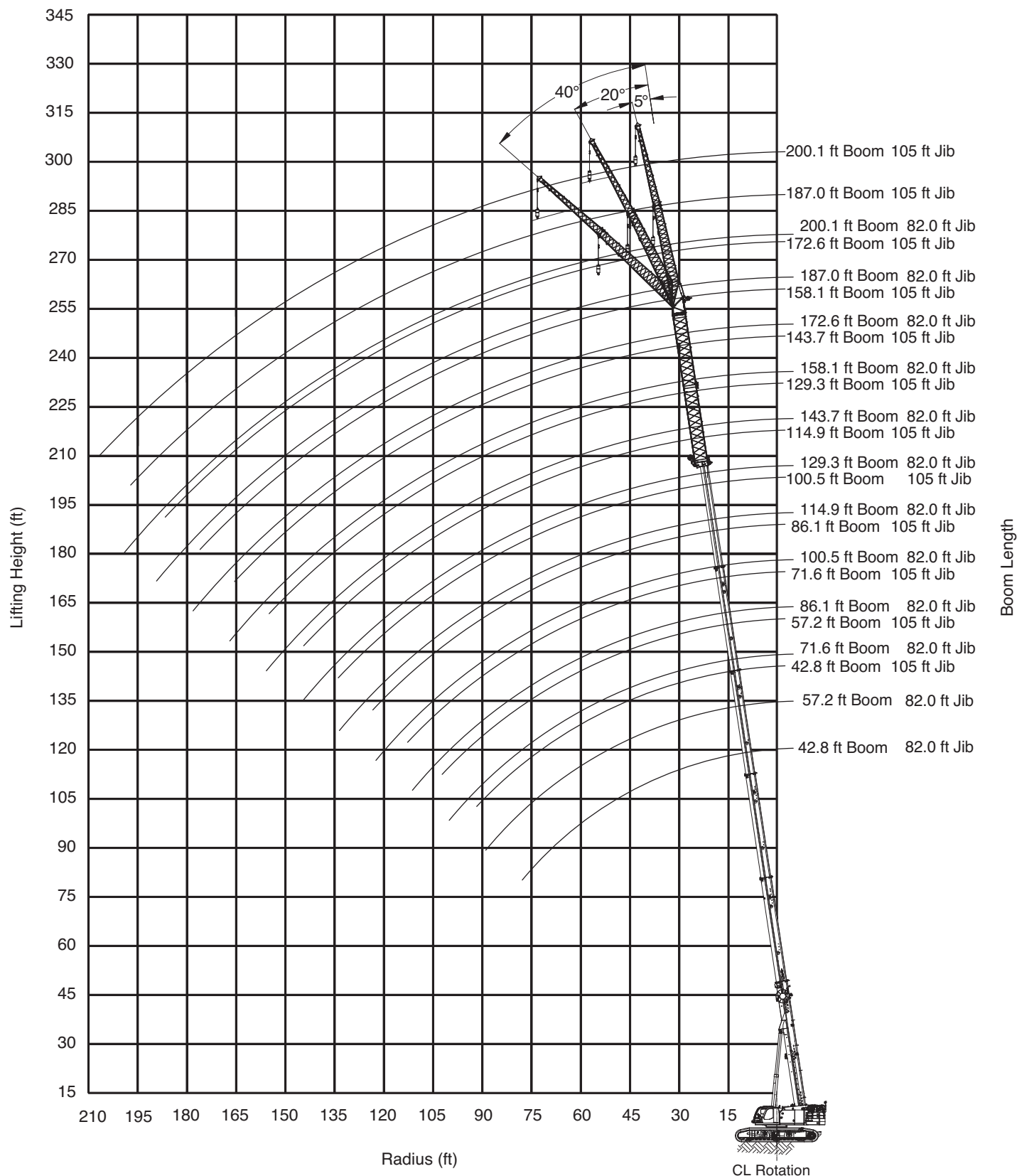
| 70,100 lb |          | 19'0"    |      | 0.5°     |      | 33.8 ft  |      | 20 mph |      | 360° |      | ASME B30.5 |  |
|-----------|----------|----------|------|----------|------|----------|------|--------|------|------|------|------------|--|
| 114.9 ft  |          | 172.6 ft |      | 187.0 ft |      | 200.1 ft |      |        |      |      |      |            |  |
| 5°        | 20°      | 40°      | 5°   | 20°      | 40°  | 5°       | 20°  | 40°    | 5°   | 20°  | 40°  |            |  |
| ft        | 1,000 lb |          |      |          |      |          |      |        |      |      |      | ft         |  |
| 30        | 31.5     | 23.5     | -    | -        | -    | -        | -    | -      | -    | -    | -    | 30         |  |
| 35        | 29.9     | 22.3     | -    | -        | -    | -        | -    | -      | -    | -    | -    | 35         |  |
| 40        | 28.5     | 21.2     | 16.0 | 15.9     | -    | -        | -    | -      | -    | -    | -    | 40         |  |
| 45        | 27.2     | 20.3     | 15.6 | 15.9     | -    | -        | 13.7 | -      | -    | -    | -    | 45         |  |
| 50        | 25.6     | 19.4     | 15.1 | 15.9     | 15.9 | -        | 13.7 | -      | -    | 12.3 | -    | 50         |  |
| 55        | 24.2     | 18.6     | 14.7 | 15.9     | 15.9 | -        | 13.7 | 13.7   | -    | 12.3 | -    | 55         |  |
| 60        | 22.9     | 17.9     | 14.4 | 15.9     | 15.9 | 14.9     | 13.7 | 13.7   | -    | 12.3 | 12.3 | 60         |  |
| 65        | 21.7     | 17.3     | 14.1 | 15.9     | 15.5 | 14.7     | 13.7 | 13.2   | 12.8 | 12.3 | 12.1 | 65         |  |
| 70        | 20.7     | 16.7     | 13.8 | 15.7     | 14.9 | 14.3     | 13.3 | 12.8   | 12.3 | 12.2 | 11.7 | 70         |  |
| 75        | 19.7     | 16.1     | 13.5 | 15.1     | 14.4 | 13.9     | 12.9 | 12.3   | 11.9 | 11.7 | 11.3 | 75         |  |
| 80        | 18.8     | 15.6     | 13.3 | 14.5     | 14.0 | 13.4     | 12.4 | 11.9   | 11.6 | 11.3 | 10.9 | 80         |  |
| 85        | 18.1     | 15.2     | 13.1 | 13.9     | 13.5 | 13.0     | 12.0 | 11.5   | 11.2 | 11.0 | 10.5 | 85         |  |
| 90        | 17.4     | 14.8     | 12.9 | 13.4     | 13.0 | 12.6     | 11.6 | 11.2   | 10.8 | 10.6 | 10.2 | 90         |  |
| 95        | 16.7     | 14.4     | 12.7 | 12.9     | 12.6 | 12.2     | 11.2 | 10.8   | 10.5 | 10.2 | 9.9  | 95         |  |
| 100       | 15.5     | 14.1     | 12.6 | 12.3     | 12.1 | 11.8     | 10.9 | 10.5   | 10.4 | 9.9  | 9.5  | 100        |  |
| 105       | 14.2     | 13.8     | 12.5 | 11.8     | 11.7 | 11.4     | 10.5 | 10.2   | 10.1 | 9.6  | 9.3  | 105        |  |
| 110       | 13.0     | 13.4     | 12.5 | 11.3     | 11.3 | 11.0     | 10.2 | 9.9    | 9.7  | 9.3  | 9.0  | 110        |  |
| 115       | 11.9     | 12.3     | 12.5 | 10.8     | 10.8 | 10.7     | 9.9  | 9.6    | 9.4  | 9.0  | 8.7  | 115        |  |
| 120       | 11.0     | 11.3     | -    | 10.0     | 10.4 | 10.4     | 9.6  | 9.4    | 9.1  | 8.6  | 8.5  | 120        |  |
| 130       | 9.3      | 9.5      | -    | 8.3      | 8.8  | 9.2      | 8.5  | 8.8    | 8.7  | 8.0  | 8.0  | 130        |  |
| 140       | 7.9      | -        | -    | 6.8      | 7.2  | 7.6      | 7.0  | 7.5    | 8.0  | 6.7  | 7.1  | 140        |  |
| 150       | -        | -        | -    | 5.3      | 5.8  | 6.2      | 5.8  | 6.2    | 6.6  | 5.4  | 5.9  | 150        |  |
| 160       | -        | -        | -    | 4.0      | 4.4  | 4.7      | 4.5  | 5.0    | 5.3  | 4.4  | 4.8  | 160        |  |
| 170       | -        | -        | -    | 2.8      | 3.2  | -        | 3.4  | 3.7    | 4.0  | 3.2  | 3.6  | 170        |  |
| 180       | -        | -        | -    | 1.8      | 2.1  | -        | 2.4  | 2.6    | 2.8  | 2.2  | 2.6  | 180        |  |
| 190       | -        | -        | -    | -        | -    | -        | -    | -      | -    | -    | -    | 190        |  |

Tracks fully extended – 360° – Up to 0.5° slope – Folding jib

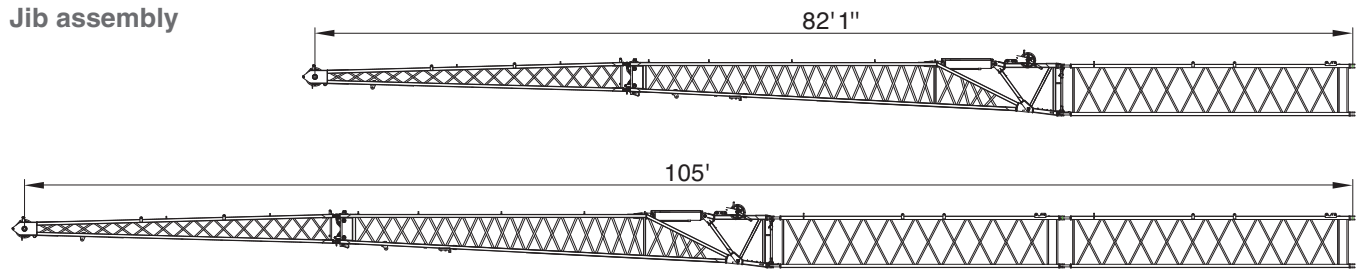
|  70,100 lb |                                                                                   |          |  19'0" |      |          |  0.5° |     |          |  59.1 ft |     |          |  20 mph |     |                                                                                     | 360° |   |     | ASME B30.5 |    |  |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------|------|----------|----------------------------------------------------------------------------------------|-----|----------|-------------------------------------------------------------------------------------------|-----|----------|-------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------|------|---|-----|------------|----|--|
|            |  | 114.9 ft |                                                                                         |      | 172.6 ft |                                                                                        |     | 187.0 ft |                                                                                           |     | 200.1 ft |                                                                                           |     |  |      |   |     |            |    |  |
|                                                                                             |                                                                                   | 5°       | 20°                                                                                     | 40°  | 5°       | 20°                                                                                    | 40° | 5°       | 20°                                                                                       | 40° | 5°       | 20°                                                                                       | 40° |                                                                                     |      |   |     |            |    |  |
| ft                                                                                          |                                                                                   | 1,000 lb |                                                                                         |      |          |                                                                                        |     |          |                                                                                           |     |          |                                                                                           |     |                                                                                     |      |   |     |            | ft |  |
| 30                                                                                          | 14.3                                                                              | -        | -                                                                                       | -    | -        | -                                                                                      | -   | -        | -                                                                                         | -   | -        | -                                                                                         | -   | -                                                                                   | -    | - | 30  |            |    |  |
| 35                                                                                          | 14.3                                                                              | -        | -                                                                                       | -    | -        | -                                                                                      | -   | -        | -                                                                                         | -   | -        | -                                                                                         | -   | -                                                                                   | -    | - | 35  |            |    |  |
| 40                                                                                          | 14.3                                                                              | -        | -                                                                                       | -    | -        | -                                                                                      | -   | -        | -                                                                                         | -   | -        | -                                                                                         | -   | -                                                                                   | -    | - | 40  |            |    |  |
| 45                                                                                          | 14.3                                                                              | 11.9     | -                                                                                       | -    | -        | -                                                                                      | -   | -        | -                                                                                         | -   | -        | -                                                                                         | -   | -                                                                                   | -    | - | 45  |            |    |  |
| 50                                                                                          | 14.2                                                                              | 11.4     | -                                                                                       | 10.4 | -        | -                                                                                      | -   | -        | -                                                                                         | -   | -        | -                                                                                         | -   | -                                                                                   | -    | - | 50  |            |    |  |
| 55                                                                                          | 13.6                                                                              | 10.9     | -                                                                                       | 10.4 | -        | -                                                                                      | -   | 9.0      | -                                                                                         | -   | -        | -                                                                                         | -   | -                                                                                   | -    | - | 55  |            |    |  |
| 60                                                                                          | 13.0                                                                              | 10.5     | 8.3                                                                                     | 10.4 | -        | -                                                                                      | -   | 9.0      | -                                                                                         | -   | -        | 8.3                                                                                       | -   | -                                                                                   | -    | - | 60  |            |    |  |
| 65                                                                                          | 12.5                                                                              | 10.1     | 8.1                                                                                     | 10.4 | 9.8      | -                                                                                      | -   | 9.0      | -                                                                                         | -   | -        | 8.3                                                                                       | -   | -                                                                                   | -    | - | 65  |            |    |  |
| 70                                                                                          | 11.9                                                                              | 9.8      | 7.9                                                                                     | 10.4 | 9.5      | -                                                                                      | -   | 9.0      | 9.0                                                                                       | -   | -        | 8.3                                                                                       | -   | -                                                                                   | -    | - | 70  |            |    |  |
| 75                                                                                          | 11.5                                                                              | 9.5      | 7.8                                                                                     | 10.4 | 9.3      | -                                                                                      | -   | 9.0      | 9.0                                                                                       | -   | -        | 8.3                                                                                       | -   | -                                                                                   | -    | - | 75  |            |    |  |
| 80                                                                                          | 11.1                                                                              | 9.1      | 7.6                                                                                     | 10.4 | 9.1      | 7.7                                                                                    | -   | 9.0      | 8.8                                                                                       | -   | -        | 8.3                                                                                       | 8.3 | -                                                                                   | -    | - | 80  |            |    |  |
| 85                                                                                          | 10.7                                                                              | 8.9      | 7.5                                                                                     | 10.4 | 8.9      | 7.6                                                                                    | -   | 9.0      | 8.6                                                                                       | -   | -        | 8.3                                                                                       | 8.3 | -                                                                                   | -    | - | 85  |            |    |  |
| 90                                                                                          | 10.3                                                                              | 8.6      | 7.3                                                                                     | 10.3 | 8.7      | 7.5                                                                                    | -   | 9.0      | 8.4                                                                                       | 7.3 | -        | 8.3                                                                                       | 8.2 | -                                                                                   | -    | - | 90  |            |    |  |
| 95                                                                                          | 9.9                                                                               | 8.4      | 7.2                                                                                     | 10.0 | 8.5      | 7.3                                                                                    | -   | 9.0      | 8.3                                                                                       | 7.2 | -        | 8.3                                                                                       | 8.1 | 7.1                                                                                 | -    | - | 95  |            |    |  |
| 100                                                                                         | 9.6                                                                               | 8.2      | 7.1                                                                                     | 9.8  | 8.3      | 7.2                                                                                    | -   | 8.9      | 8.1                                                                                       | 7.1 | -        | 8.2                                                                                       | 7.9 | 7.0                                                                                 | -    | - | 100 |            |    |  |
| 105                                                                                         | 9.2                                                                               | 8.0      | 7.1                                                                                     | 9.5  | 8.2      | 7.1                                                                                    | -   | 8.7      | 7.9                                                                                       | 7.0 | -        | 8.0                                                                                       | 7.6 | 6.9                                                                                 | -    | - | 105 |            |    |  |
| 110                                                                                         | 8.9                                                                               | 7.8      | 7.0                                                                                     | 9.3  | 8.0      | 7.0                                                                                    | -   | 8.4      | 7.8                                                                                       | 6.9 | -        | 7.7                                                                                       | 7.4 | 6.8                                                                                 | -    | - | 110 |            |    |  |
| 115                                                                                         | 8.6                                                                               | 7.6      | 6.9                                                                                     | 9.1  | 7.8      | 6.9                                                                                    | -   | 8.2      | 7.6                                                                                       | 6.8 | -        | 7.5                                                                                       | 7.2 | 6.7                                                                                 | -    | - | 115 |            |    |  |
| 120                                                                                         | 8.4                                                                               | 7.5      | 6.9                                                                                     | 8.9  | 7.7      | 6.8                                                                                    | -   | 7.9      | 7.5                                                                                       | 6.7 | -        | 7.3                                                                                       | 7.0 | 6.6                                                                                 | -    | - | 120 |            |    |  |
| 130                                                                                         | 7.9                                                                               | 7.2      | 6.7                                                                                     | 8.6  | 7.5      | 6.7                                                                                    | -   | 7.6      | 7.3                                                                                       | 6.5 | -        | 6.9                                                                                       | 6.6 | 6.4                                                                                 | -    | - | 130 |            |    |  |
| 140                                                                                         | 7.5                                                                               | 7.0      | 6.7                                                                                     | 7.3  | 7.2      | 6.5                                                                                    | -   | 7.1      | 7.0                                                                                       | 6.4 | -        | 6.5                                                                                       | 6.2 | 6.1                                                                                 | -    | - | 140 |            |    |  |
| 150                                                                                         | 7.1                                                                               | 6.9      | -                                                                                       | 6.1  | 6.8      | 6.4                                                                                    | -   | 6.2      | 6.6                                                                                       | 6.3 | -        | 5.7                                                                                       | 5.9 | 5.8                                                                                 | -    | - | 150 |            |    |  |
| 160                                                                                         | 6.5                                                                               | 6.7      | -                                                                                       | 5.0  | 5.6      | 6.3                                                                                    | -   | 5.1      | 5.8                                                                                       | 6.2 | -        | 4.7                                                                                       | 5.4 | 5.5                                                                                 | -    | - | 160 |            |    |  |
| 170                                                                                         | -                                                                                 | -        | -                                                                                       | 3.8  | 4.5      | 5.0                                                                                    | -   | 4.1      | 4.7                                                                                       | 5.3 | -        | 3.8                                                                                       | 4.4 | 5.0                                                                                 | -    | - | 170 |            |    |  |
| 180                                                                                         | -                                                                                 | -        | -                                                                                       | 2.8  | 3.3      | 3.8                                                                                    | -   | 3.1      | 3.7                                                                                       | 4.3 | -        | 2.9                                                                                       | 3.5 | 4.1                                                                                 | -    | - | 180 |            |    |  |
| 190                                                                                         | -                                                                                 | -        | -                                                                                       | 1.8  | 2.3      | 2.6                                                                                    | -   | 2.2      | 2.7                                                                                       | 3.1 | -        | 2.0                                                                                       | 2.6 | 3.1                                                                                 | -    | - | 190 |            |    |  |
| 200                                                                                         | -                                                                                 | -        | -                                                                                       | -    | -        | -                                                                                      | -   | -        | 1.8                                                                                       | 2.1 | -        | -                                                                                         | -   | 2.1                                                                                 | -    | - | 200 |            |    |  |

## Notes

## Power tilt jib with inserts



Jib assembly



Tracks fully extended – 360° – Up to 0.5° slope – with insert + folding jib

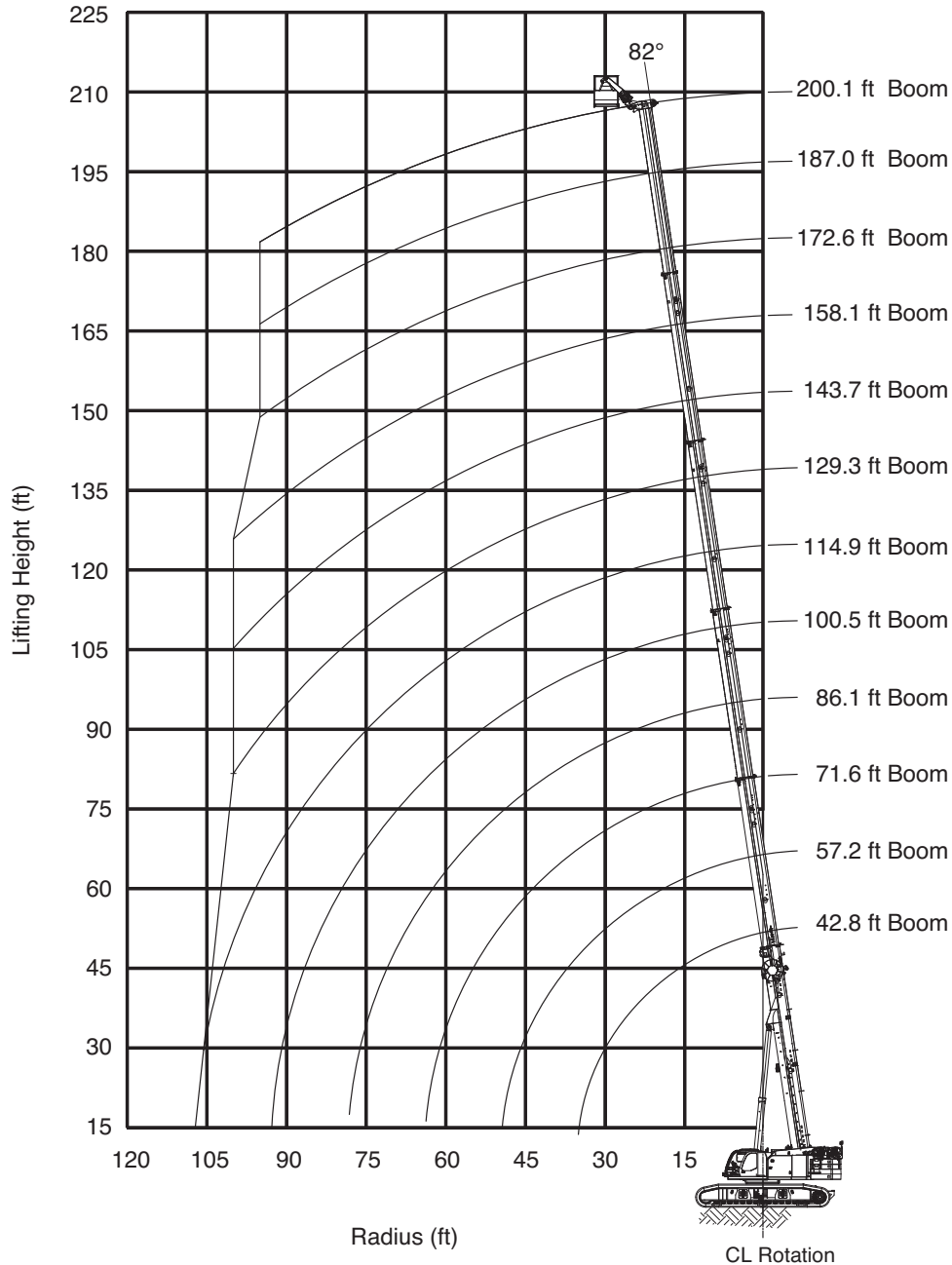
| 70,100 lb |      | 19'0"    |     | 0.5°     |     | 59.1 ft  |     | 23.0 ft |     | 20 mph |     | 360° |     | ASME B30.5 |     |
|-----------|------|----------|-----|----------|-----|----------|-----|---------|-----|--------|-----|------|-----|------------|-----|
| 114.9 ft  |      | 172.6 ft |     | 187.0 ft |     | 200.1 ft |     |         |     |        |     |      |     |            |     |
| 5°        | 20°  | 40°      | 5°  | 20°      | 40° | 5°       | 20° | 40°     | 5°  | 20°    | 40° | 5°   | 20° | 40°        |     |
| 1,000 lb  |      |          |     |          |     |          |     |         |     |        |     |      |     |            | ft  |
| 35        | 11.9 | -        | -   | -        | -   | -        | -   | -       | -   | -      | -   | -    | -   | -          | 35  |
| 40        | 11.9 | -        | -   | -        | -   | -        | -   | -       | -   | -      | -   | -    | -   | -          | 40  |
| 45        | 11.9 | -        | -   | -        | -   | -        | -   | -       | -   | -      | -   | -    | -   | -          | 45  |
| 50        | 11.9 | 9.9      | -   | -        | -   | -        | -   | -       | -   | -      | -   | -    | -   | -          | 50  |
| 55        | 11.8 | 9.9      | -   | -        | -   | -        | -   | -       | -   | -      | -   | -    | -   | -          | 55  |
| 60        | 11.3 | 9.6      | -   | 8.6      | -   | -        | -   | -       | -   | -      | -   | -    | -   | -          | 60  |
| 65        | 10.8 | 9.1      | 7.3 | 8.6      | -   | -        | 7.5 | -       | -   | -      | -   | -    | -   | -          | 65  |
| 70        | 10.3 | 8.7      | 7.3 | 8.6      | -   | -        | 7.5 | -       | -   | 6.8    | -   | -    | -   | -          | 70  |
| 75        | 9.7  | 8.3      | 7.1 | 8.6      | 7.9 | -        | 7.5 | -       | -   | 6.8    | -   | -    | -   | -          | 75  |
| 80        | 9.2  | 7.9      | 6.8 | 8.6      | 7.9 | -        | 7.5 | 7.1     | -   | 6.8    | -   | -    | -   | -          | 80  |
| 85        | 8.8  | 7.6      | 6.6 | 8.6      | 7.8 | -        | 7.5 | 7.1     | -   | 6.8    | 6.4 | -    | -   | -          | 85  |
| 90        | 8.3  | 7.3      | 6.4 | 8.5      | 7.6 | 6.2      | 7.5 | 7.1     | -   | 6.8    | 6.4 | -    | -   | -          | 90  |
| 95        | 7.9  | 7.0      | 6.2 | 8.3      | 7.4 | 6.2      | 7.5 | 7.1     | 6.0 | 6.8    | 6.4 | -    | -   | -          | 95  |
| 100       | 7.6  | 6.7      | 6.0 | 8.1      | 7.2 | 6.2      | 7.3 | 6.9     | 6.0 | 6.7    | 6.4 | 5.7  | -   | -          | 100 |
| 105       | 7.2  | 6.5      | 5.8 | 7.8      | 7.0 | 6.2      | 7.0 | 6.8     | 6.0 | 6.5    | 6.3 | 5.7  | -   | -          | 105 |
| 110       | 6.9  | 6.2      | 5.6 | 7.6      | 6.8 | 6.0      | 6.8 | 6.6     | 6.0 | 6.3    | 6.1 | 5.7  | -   | -          | 110 |
| 115       | 6.6  | 6.0      | 5.4 | 7.5      | 6.7 | 5.9      | 6.6 | 6.4     | 5.9 | 6.1    | 5.9 | 5.7  | -   | -          | 115 |
| 120       | 6.4  | 5.8      | 5.3 | 7.3      | 6.5 | 5.8      | 6.4 | 6.2     | 5.8 | 5.9    | 5.8 | 5.7  | -   | -          | 120 |
| 130       | 5.9  | 5.4      | 5.0 | 6.9      | 6.2 | 5.5      | 6.2 | 5.9     | 5.6 | 5.5    | 5.4 | 5.3  | -   | -          | 130 |
| 140       | 5.5  | 5.1      | 4.8 | 6.5      | 5.8 | 5.3      | 5.9 | 5.6     | 5.4 | 5.2    | 5.1 | 5.0  | -   | -          | 140 |
| 150       | 5.1  | 4.8      | 4.6 | 6.2      | 5.6 | 5.1      | 5.6 | 5.4     | 5.2 | 4.9    | 4.8 | 4.7  | -   | -          | 150 |
| 160       | 4.8  | 4.6      | 4.5 | 5.1      | 5.3 | 4.9      | 5.2 | 5.1     | 5.0 | 4.6    | 4.5 | 4.5  | -   | -          | 160 |
| 170       | 4.5  | 4.4      | -   | 4.2      | 4.8 | 4.8      | 4.2 | 4.9     | 4.8 | 3.8    | 4.3 | 4.2  | -   | -          | 170 |
| 180       | 4.3  | 4.2      | -   | 3.2      | 3.8 | 4.4      | 3.4 | 4.0     | 4.6 | 3.0    | 3.6 | 4.0  | -   | -          | 180 |
| 190       | -    | -        | -   | 2.2      | 2.8 | 3.3      | 2.5 | 3.1     | 3.7 | 2.3    | 2.8 | 3.4  | -   | -          | 190 |
| 200       | -    | -        | -   | -        | 1.9 | 2.3      | -   | 2.2     | 2.6 | -      | 2.0 | 2.5  | -   | -          | 200 |

Tracks fully extended – 360° – Up to 0.5° slope – with insert + folding jib

|  70,100 lb |                                                                                   |  19'0" |     |  0.5° |          |  59.1 ft |     |  45.9 ft |     |  20 mph |          | 360° |     | ASME B30.5                                                                          |     |     |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|-----|----------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------------|-----|-------------------------------------------------------------------------------------------|-----|--------------------------------------------------------------------------------------------|----------|------|-----|-------------------------------------------------------------------------------------|-----|-----|
|            |  | 114.9 ft                                                                                |     |                                                                                        | 172.6 ft |                                                                                           |     | 187.0 ft                                                                                  |     |                                                                                            | 200.1 ft |      |     |  |     |     |
|                                                                                             |                                                                                   | 5°                                                                                      | 20° | 40°                                                                                    | 5°       | 20°                                                                                       | 40° | 5°                                                                                        | 20° | 40°                                                                                        | 5°       | 20°  | 40° |                                                                                     |     |     |
| 1,000 lb                                                                                    |                                                                                   |                                                                                         |     |                                                                                        |          |                                                                                           |     |                                                                                           |     |                                                                                            |          |      |     |                                                                                     |     |     |
| ft                                                                                          |                                                                                   |                                                                                         |     |                                                                                        |          |                                                                                           |     |                                                                                           |     |                                                                                            |          |      |     |                                                                                     |     | ft  |
| 40                                                                                          | 9.7                                                                               | -                                                                                       | -   |                                                                                        | -        | -                                                                                         | -   | -                                                                                         | -   | -                                                                                          | -        | -    | -   | -                                                                                   | -   | 40  |
| 45                                                                                          | 9.7                                                                               | -                                                                                       | -   |                                                                                        | -        | -                                                                                         | -   | -                                                                                         | -   | -                                                                                          | -        | -    | -   | -                                                                                   | -   | 45  |
| 50                                                                                          | 9.7                                                                               | -                                                                                       | -   |                                                                                        | -        | -                                                                                         | -   | -                                                                                         | -   | -                                                                                          | -        | -    | -   | -                                                                                   | -   | 50  |
| 55                                                                                          | 9.3                                                                               | 7.9                                                                                     | -   |                                                                                        | -        | -                                                                                         | -   | -                                                                                         | -   | -                                                                                          | -        | -    | -   | -                                                                                   | -   | 55  |
| 60                                                                                          | 8.9                                                                               | 7.9                                                                                     | -   |                                                                                        | -        | -                                                                                         | -   | -                                                                                         | -   | -                                                                                          | -        | -    | -   | -                                                                                   | -   | 60  |
| 65                                                                                          | 8.5                                                                               | 7.8                                                                                     | -   |                                                                                        | 7.1      | -                                                                                         | -   | -                                                                                         | -   | -                                                                                          | -        | -    | -   | -                                                                                   | -   | 65  |
| 70                                                                                          | 8.1                                                                               | 7.5                                                                                     | 6.4 |                                                                                        | 7.1      | -                                                                                         | -   | -                                                                                         | -   | -                                                                                          | -        | -    | -   | -                                                                                   | -   | 70  |
| 75                                                                                          | 7.8                                                                               | 7.2                                                                                     | 6.3 |                                                                                        | 7.0      | -                                                                                         | -   | 6.2                                                                                       | -   | -                                                                                          | -        | -    | -   | -                                                                                   | -   | 75  |
| 80                                                                                          | 7.4                                                                               | 6.8                                                                                     | 6.0 |                                                                                        | 6.8      | 6.0                                                                                       | -   | 6.2                                                                                       | -   | -                                                                                          | 4.6      | -    | -   | -                                                                                   | -   | 80  |
| 85                                                                                          | 7.1                                                                               | 6.4                                                                                     | 5.8 |                                                                                        | 6.6      | 6.0                                                                                       | -   | 6.1                                                                                       | -   | -                                                                                          | 4.6      | -    | -   | -                                                                                   | -   | 85  |
| 90                                                                                          | 6.8                                                                               | 6.1                                                                                     | 5.5 |                                                                                        | 6.5      | 6.0                                                                                       | -   | 6.0                                                                                       | 5.3 | -                                                                                          | 4.6      | -    | -   | -                                                                                   | -   | 90  |
| 95                                                                                          | 6.4                                                                               | 5.8                                                                                     | 5.2 |                                                                                        | 6.3      | 5.9                                                                                       | 5.3 | 5.9                                                                                       | 5.3 | -                                                                                          | 4.6      | 4.6  | -   | -                                                                                   | -   | 95  |
| 100                                                                                         | 6.0                                                                               | 5.5                                                                                     | 5.0 |                                                                                        | 6.1      | 5.7                                                                                       | 5.3 | 5.7                                                                                       | 5.3 | -                                                                                          | 4.6      | 4.6  | -   | -                                                                                   | -   | 100 |
| 105                                                                                         | 5.7                                                                               | 5.2                                                                                     | 4.8 |                                                                                        | 6.0      | 5.6                                                                                       | 5.3 | 5.6                                                                                       | 5.3 | 4.9                                                                                        | 4.6      | 4.6  | -   | -                                                                                   | -   | 105 |
| 110                                                                                         | 5.4                                                                               | 5.0                                                                                     | 4.6 |                                                                                        | 5.8      | 5.4                                                                                       | 5.1 | 5.5                                                                                       | 5.2 | 4.9                                                                                        | 4.6      | 4.6  | 4.6 | -                                                                                   | -   | 110 |
| 115                                                                                         | 5.2                                                                               | 4.8                                                                                     | 4.4 |                                                                                        | 5.6      | 5.2                                                                                       | 4.9 | 5.3                                                                                       | 5.0 | 4.9                                                                                        | 4.6      | 4.6  | 4.6 | 4.6                                                                                 | -   | 115 |
| 120                                                                                         | 4.9                                                                               | 4.5                                                                                     | 4.2 |                                                                                        | 5.4      | 5.1                                                                                       | 4.8 | 5.1                                                                                       | 4.9 | 4.8                                                                                        | 4.6      | 4.6  | 4.6 | 4.6                                                                                 | 4.6 | 120 |
| 130                                                                                         | 4.4                                                                               | 4.1                                                                                     | 3.9 |                                                                                        | 5.1      | 4.8                                                                                       | 4.5 | 4.8                                                                                       | 4.7 | 4.5                                                                                        | 4.4      | 4.4  | 4.4 | 4.4                                                                                 | 4.4 | 130 |
| 140                                                                                         | 4.0                                                                               | 3.8                                                                                     | 3.6 |                                                                                        | 4.8      | 4.5                                                                                       | 4.2 | 4.5                                                                                       | 4.4 | 4.3                                                                                        | 4.1      | 4.1  | 4.2 | 4.2                                                                                 | 4.2 | 140 |
| 150                                                                                         | 3.7                                                                               | 3.5                                                                                     | 3.4 |                                                                                        | 4.5      | 4.3                                                                                       | 4.0 | 4.3                                                                                       | 4.2 | 4.1                                                                                        | 3.8      | 3.8  | 3.9 | 3.9                                                                                 | 3.9 | 150 |
| 160                                                                                         | 3.4                                                                               | 3.2                                                                                     | 3.1 |                                                                                        | 4.3      | 4.0                                                                                       | 3.7 | 4.0                                                                                       | 4.0 | 3.8                                                                                        | 3.5      | 3.6  | 3.6 | 3.6                                                                                 | 3.6 | 160 |
| 170                                                                                         | 3.1                                                                               | 3.0                                                                                     | 2.9 |                                                                                        | 4.0      | 3.7                                                                                       | 3.5 | 3.8                                                                                       | 3.7 | 3.6                                                                                        | 3.3      | 3.3  | 3.4 | 3.4                                                                                 | 3.4 | 170 |
| 180                                                                                         | 2.9                                                                               | 2.8                                                                                     | 2.8 |                                                                                        | 3.2      | 3.5                                                                                       | 3.4 | 3.2                                                                                       | 3.5 | 3.5                                                                                        | 2.8      | 3.1  | 3.2 | 3.2                                                                                 | 3.2 | 180 |
| 190                                                                                         | 2.6                                                                               | 2.6                                                                                     | -   |                                                                                        | 2.3      | 3.0                                                                                       | 3.2 | 2.5                                                                                       | 3.0 | 3.3                                                                                        | 2.1      | 2.7  | 3.0 | 3.0                                                                                 | 3.0 | 190 |
| 200                                                                                         | 2.4                                                                               | 2.4                                                                                     | -   |                                                                                        | -        | 2.1                                                                                       | 2.5 | -                                                                                         | 2.2 | 2.8                                                                                        | -        | 2.0  | 2.5 | 2.5                                                                                 | 2.5 | 200 |
| 210                                                                                         | 2.2                                                                               | -                                                                                       | -   |                                                                                        | -        | -                                                                                         | -   | -                                                                                         | -   | 1.9                                                                                        | -        | -    | -   | -                                                                                   | -   | 210 |



## WP750 Work platform



Shaded area is allowable operating range!

Limits of operation:

Max. load capacity = 750 lb · Max. radius when mounted on jib = 110 ft · Max. occupancy = 2 persons

### Notes:

1. It is permissible to leave the jibs stowed on the boom while operating with work platform mounted to the main boom.
2. The hook block(s) must be removed when using the work platform.

**WARNING:** Lifting a load during work platform operation is **not** allowed.

**WARNING:** Travelling the crane with person(s) in the work platform is **not** allowed.

# Notes to Lifting Capacity

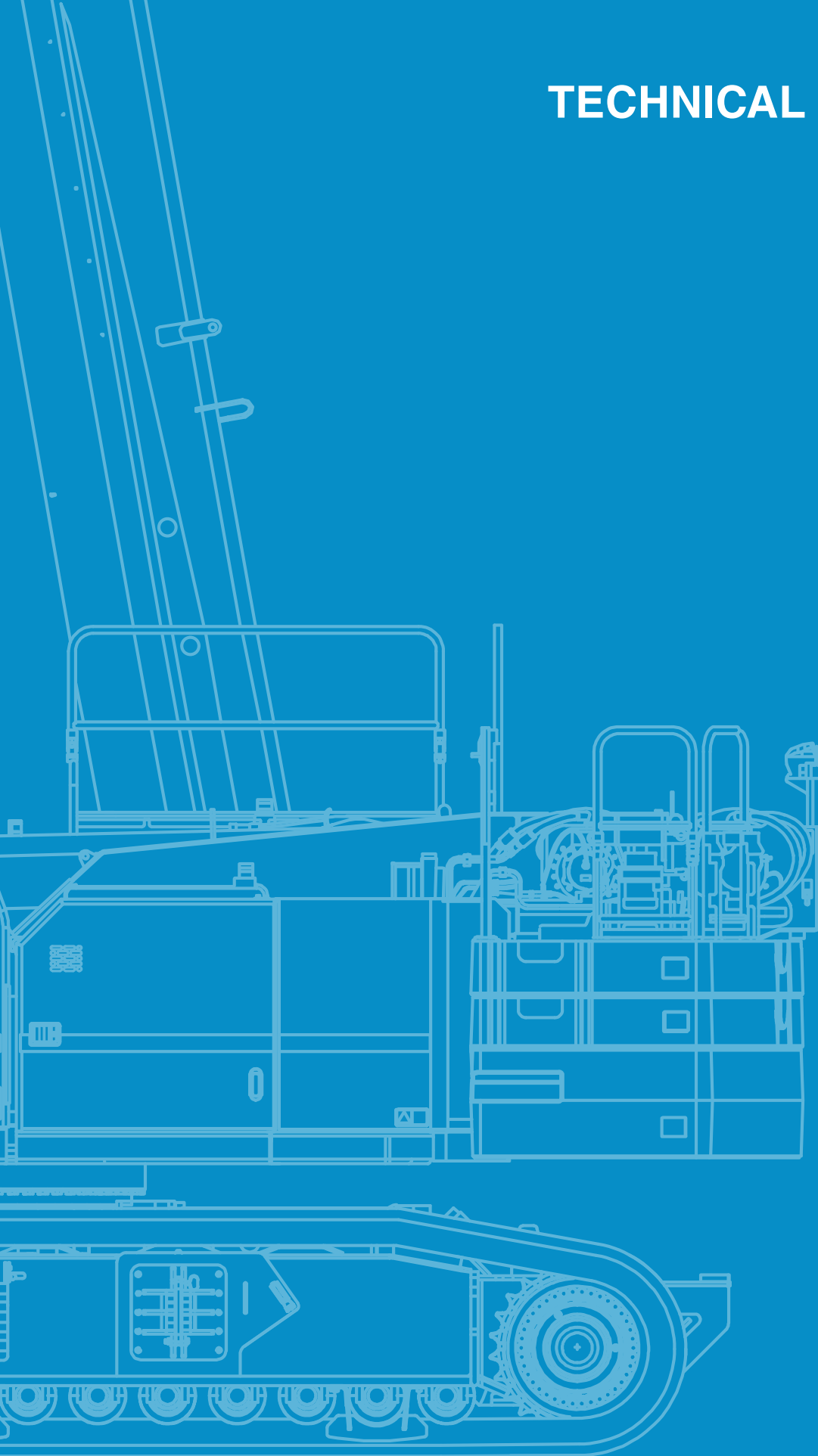
## Definitions and Explanations

- Load capacity values in these charts are stated in lb x 1000.
- All ratings are for 360° of rotation unless otherwise specified on the chart.
- Load radius is defined as the horizontal distance from the axis of rotation (with no load) to the center of the lifting device after load is applied in feet (ft).
- Boom height dimensions are measured from ground to center of lower boom head sheave in feet (ft).
- Boom angle / boom length relationships given are an approximation of the resulting load radius, which should be an accurate measurement.
- Boom angle is the included angle between the longitudinal axis of the boom base section and the horizontal axis, after lifting load. The boom angle before lifting should be slightly greater than desired to account for boom deflection.
- Boom positions without rated loads in the charts are prohibited. These areas are indicated by an “\*” and are susceptible to instability either in the forward direction or the backwards direction.
- It is acceptable to telescope boom with a load within the limits of rated capacities. However, boom angle, system hydraulic pressure, and/or boom lubrication may affect operation.
- Deduct the weight of the hook block, hook/ball, slings, spreader bar, or other suspended equipment from the listed rated capacities. This includes lifting accessories stowed on the boom such as jib, extension, and auger.
- Unless otherwise noted, travelling in low speed is allowed for all rated loads- reduce travel speed to minimize dynamic effects on the crane from swinging load, side loading, etc.
- This crane as originally manufactured meets the requirements of ASME B30.5 2014. Structure and stability have been tested in accordance with SAE J1063 and SAE J765.

## Note

Data published herein is intended as a guide only and shall not be construed to warrant applicability for lifting purposes. Crane operation is subject to the computer charts and operation manual both supplied with the crane.

# TECHNICAL DESCRIPTION



# Technical Description

## Basic machine

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Boom</b>                  | Six section boom with single-cylinder pinned telescoping system.<br>Retracted length: 42.8'<br>Extended length: 200.1'<br>Extension time: 536 seconds<br>Elevating angles: -1.5° to 81.5°<br>Elevating time: 53 seconds<br>Boom head: Seven, 15.8 inch diameter cast steel sheaves on heavy-duty roller bearings, and two lead-in sheaves.                                                                                                                                                                                                                                                                                                                              |
| <b>Auxiliary boom head</b>   | Single 17.5 inch diameter cast steel sheave. Mounts to boom head for single line work. Swings to side for storage.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Load moment indicator</b> | Tadano AML-E load moment indicator and anti-two block system:<br>OPTI-WIDTH™ – OPTIMAL lifting performance at any track width.<br>Control function shutdown with audible and visual warnings.<br>Full color touch screen provides continuous display of working boom length, boom angle, working load radius, tip height, swing position, parts-of-line (operator set), machine track configuration, relative load moment, maximum permissible load and actual load.<br>Anti-two block weight allows quick reeving of hook block.<br>Configurable working range limits with automatic soft stop.<br>External 3-color LED light stack indicates safe working conditions. |
| <b>Telematics</b>            | Equipped with HELLO-NET data logging and monitoring system accessible via the internet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Superstructure

High-strength steel structure precision machined to accept boom and swing components. Centralized plumbing of lubrication points for slew bearing and boom pivot pin.

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Counterweight</b>     | Self-erecting counterweight system with configuration sensing and remote control. Integrated access steps and mounting for handrails. Load charts available for various counterweight configurations.<br>Three upper counterweight configurations: 70,100 lb, 40,300 lb, 0 lb.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Operators cab</b>     | Fully-enclosed, all-steel modular cab with lockable sliding door, acoustical lining, anti-slip floor, and tinted safety glass. Grab bars and steps are provided for easy access to the cab.<br>20° tilt. Air conditioned with defroster, heater, and circulating fan. Six-way adjustable seat with headrest and seat belt. Electronic foot pedals control travel. A hydraulic foot pedal controls the swing service brake. Four-way adjustable armrest-mounted electronic joysticks control swing, main winch, auxiliary winch, boom hoist, and boom telescope. Selectable modes for fine control and travel. Seat termination switch immediately disables all joysticks and control pedals as the operator rises from the seat. Can also be disabled by switch on console.<br>Camera views: Four cameras for view of winches, and rear, right and left sides of upper. Remote control work lights mounted at front left side, front right side, and rear right side. Two-speed windshield wipers for front and top glass.<br>Dome light. Dry-chemical fire extinguisher. |
| <b>Engine</b>            | Cummins B6.7 – 6 cylinder, 4 cycle, turbocharged and after cooled · Max. power: 326 HP (243 kW)@2,200 rpm · Max. torque: 770 lb-ft (1,044 Nm)@1,500 rpm · Alternator: 70 amp.<br>Emission certifications: U.S. EPA Tier 4f, Euromot Stage V.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Electrical system</b> | 24 VDC.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Fuel system</b>       | 85 gallons capacity diesel tank, with engine mounted filter and inline fuel/water separator.<br>10 gallons capacity DEF/AdBlue tank.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Hydraulic system</b>  | Hydraulic pumps: Two high pressure, variable piston pumps with positive displacement and power limiting controls for crane functions. Three gear pumps for swing, pilot/auxiliary, and cooling.<br>Total pump output: 250 gpm@1900 rpm engine speed. 4,713 psi maximum pressure.<br>Directional valves: Multiple pressure and flow compensated valves with electrically controlled integrated relief valves.<br>Reservoir: 197 gallons capacity with filler/breather, sight gauge, cleanout, low level switch, and sump drain.<br>Filtration: Three 5-micron, full flow return filters with electrical clogging indicator. 3-micron inline pilot oil pressure filter. Two 10-micron case flow filters.                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Winches</b>           | Planetary geared two-speed winch with grooved drum, hydraulic motor, multi-disc internal brake and counter-balance valve. Includes drum rotation and last layer indicators (complete winch performance specs on page 20).<br>Main winch: Rope diameter and length: 0.75 inch x 1,050 ft<br>Auxiliary winch: Rope diameter and length: 0.75 inch x 738 ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Swing</b>             | An axial piston swing motor with planetary gear reducer drives the pinion and the internal gear shear-ball slew bearing allowing smooth rotation even at low speeds. Swing speed: 0-1.2 rpm.<br>Modes: Free swing with counter swing, or controlled swing with hydraulic braking.<br>Swing parking brake: Spring applied failsafe brake with hydraulic release that is controlled from the operators cab.<br>Swing service brake: Hydraulically applied, controlled through foot actuated pedal.<br>House lock systems: 360° house lock actuated from the operator's cab.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

# Technical Description

## Crawler carrier

Carrier comprising a center carbody, 4 extension beams, 2 crawlers, and integrated assembly jacks. Tool-free connection between crawlers and extension beams.

|                               |                                                                                                                                                                                                                                                                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Carbody</b>                | Torsion resistant welded structure constructed of high strength steel. Hydraulic lines with quick connection panels to crawler drives.                                                                                                                                                                                                     |
| <b>Track extension</b>        | Powerful hydraulic track extend system quickly adjusts operating width while stationary or travelling. Track position sensing allows automatic selection of operating configuration in AML.                                                                                                                                                |
| <b>Crawlers</b>               | Two crawler frames are paired with a track group. Self-assembly with 4 track frame lifting points.<br>Track rollers: Fifteen bottom rollers and replaceable top wear pads on each track frame.<br>Idler: Oil filled, self-lubricating with nitrogen type tensioner.<br>Track shoes: 35.4 inch, 3-bar semi-grousers are standard equipment. |
| <b>Crawler drive</b>          | The tracks are powered by a pilot controlled, two-speed drive with piston motor and parking brake. Each crawler speed is infinitely variable, both independently and in opposite direction.<br>0.6 mph / 1.6 mph · Gradeability (unladen): 52 %.                                                                                           |
| <b>Assembly jacks</b>         | 2-stage jacks mounted to carbody structure with radio remote control and self-leveling for easy assembly/ disassembly for transport. Includes 4 octagonal outrigger pads.                                                                                                                                                                  |
| <b>Carbody counterweights</b> | Two carbody counterweights with integrated lift points. Rear counterweight includes storage locations for track frame assembly bars and outrigger pads. Front counterweight includes toolbox and storage location for overhaul ball.                                                                                                       |

## Optional equipment

|                                                   |                                                                                                                                                                                                                               |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Heavy lift jib</b>                             | Total length: 11.8 ft    Offset angles: 0°-40°    Max. lifting height: 208 ft                                                                                                                                                 |
| <b>Main jib</b>                                   | Total length: 33.8 ft    Offset angles: 0°-40° (hydraulic or mechanical offset)    Max. lifting height: 230 ft                                                                                                                |
| <b>Fly jib</b>                                    | Total length: 59.1 ft when mounted to main jib · Offset angles: 0°-40° (hydraulic or mechanical offset) · Max. lifting height: 255 ft                                                                                         |
| <b>Long jib</b>                                   | Total length: 105 ft; includes 2 x lattice inserts, main, and fly jibs · Offset angles: 0°-40° (hydraulic or mechanical offset) · Max. lifting height: 302 ft                                                                 |
| <b>Hook blocks</b>                                | 110 US ton hook block - seven steel sheaves with swivel hook and safety latch.<br>50 US ton hook block - three steel sheaves with swivel hook and safety latch.<br>11 US ton overhaul ball with swivel hook and safety latch. |
| <b>Crawler shoes</b>                              | 35.4 in flat shoes<br>39.4 in flat shoes<br>39.4 in 3-bar semi-grouser                                                                                                                                                        |
| <b>Cold weather packages</b>                      | Cold weather options are available for operation to -40°C (consult factory for application support).                                                                                                                          |
| <b>Work platform</b>                              | Model WP750 – 36 inch x 72 inch, all steel, welded, two person platform with maximum capacity of 750 lb.                                                                                                                      |
| <b>Automatic central lubrication system</b>       |                                                                                                                                                                                                                               |
| <b>Anemometer</b>                                 | Mounts to boom or jib head with cab display.                                                                                                                                                                                  |
| <b>Aircraft warning beacon</b>                    |                                                                                                                                                                                                                               |
| <b>Cab mounted rotating beacon</b>                |                                                                                                                                                                                                                               |
| <b>TRAM boom access system</b>                    |                                                                                                                                                                                                                               |
| <b>FOPS</b>                                       | Operator cab falling object protection system; ISO 3449 Level II compliant.                                                                                                                                                   |
| <b>Additional handrails</b>                       | For top of engine side covers.                                                                                                                                                                                                |
| <b>Boom removal system</b>                        |                                                                                                                                                                                                                               |
| <b>Full function radio remote control package</b> |                                                                                                                                                                                                                               |
| <b>Load charts for barge operation</b>            |                                                                                                                                                                                                                               |

## Notes

## Notes

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Reaching new heights

