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# ALL-TERRAIN ATF 50G-3




For detailed information about our International Distributor and Service Network, please refer to our homepages.  
[www.tadano.co.jp](http://www.tadano.co.jp) + [www.tadanoamerica.com](http://www.tadanoamerica.com) + [www.mantisranes.com](http://www.mantisranes.com) + [www.tadanofaun.de](http://www.tadanofaun.de)

#### Publisher:

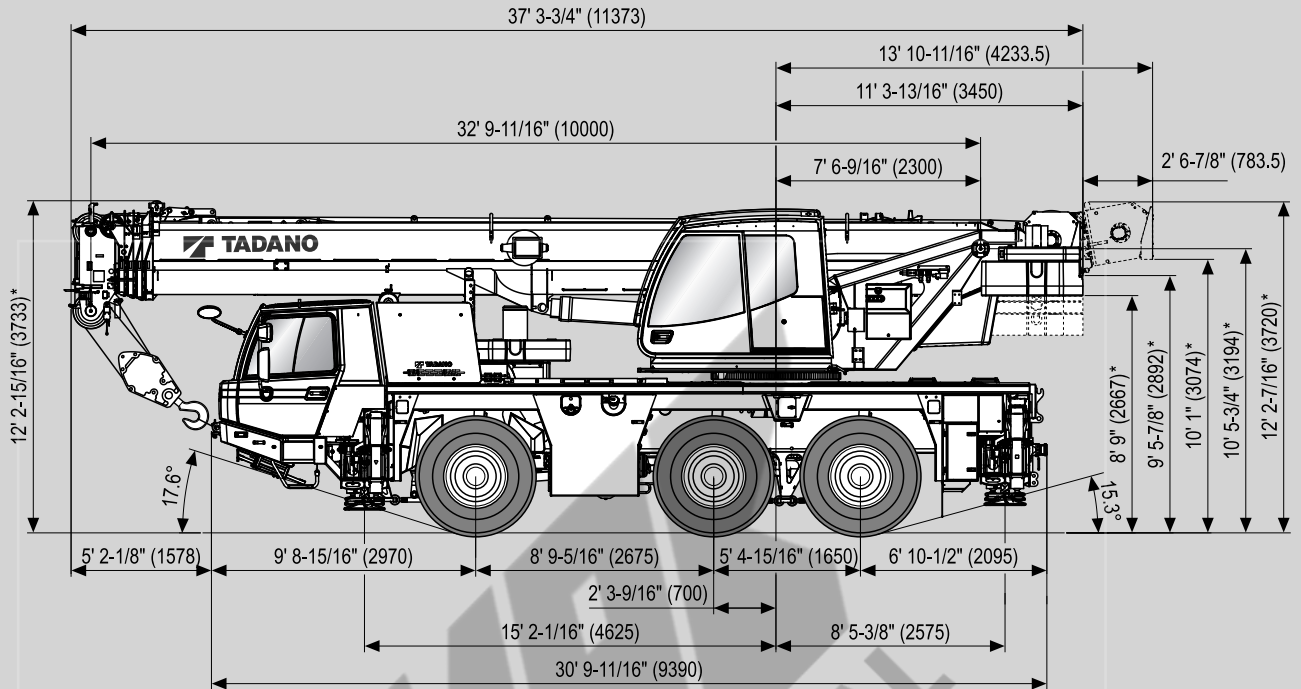
TADANO FAUN GmbH  
P.O.Box 10 02 64  
91205 Lauf  
Germany



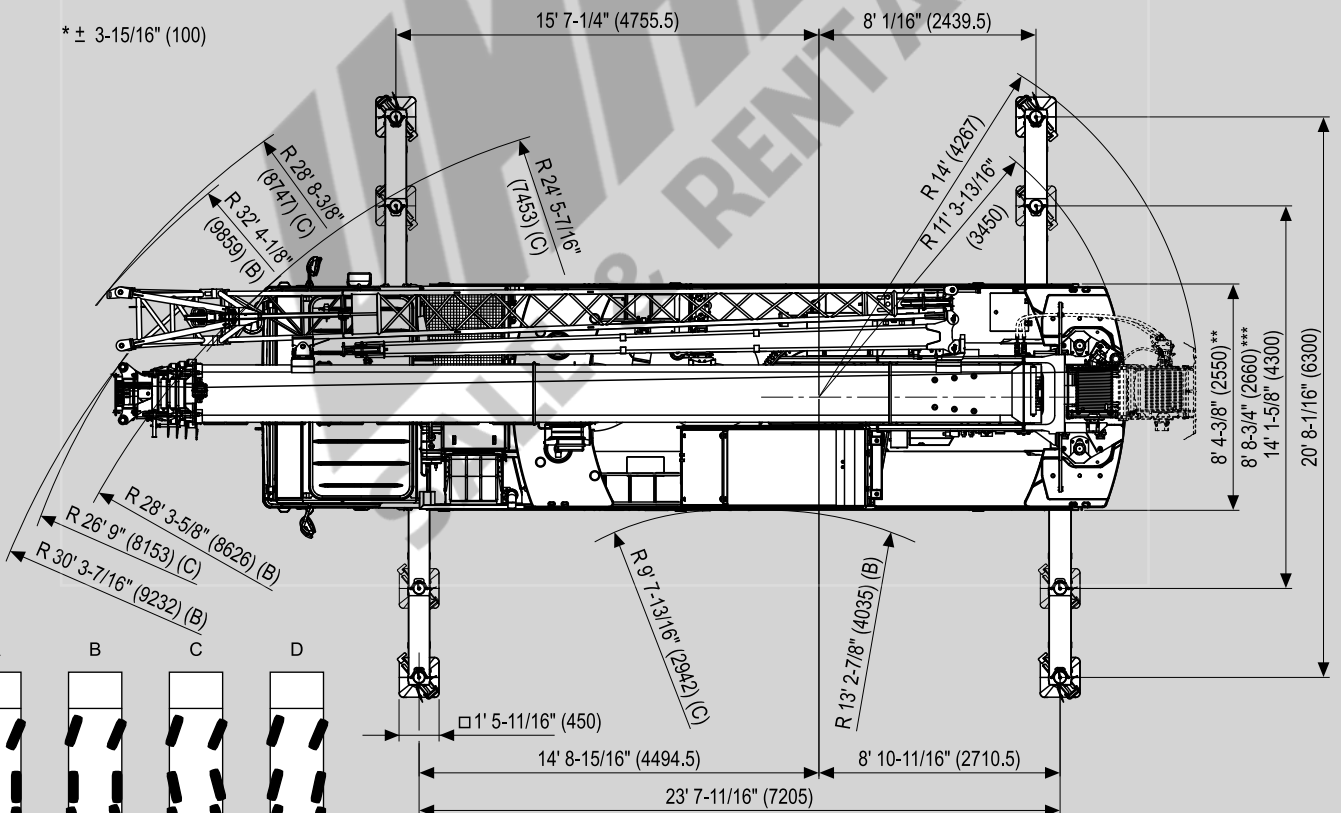
Dimensions (ft, mm) / Dimensiones (ft, mm)

 385/95 R 25  
(14.00 R 25)

SAE

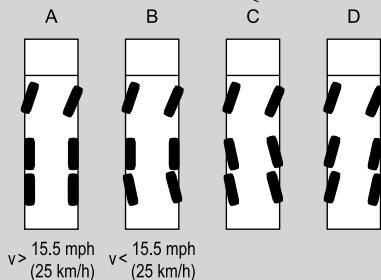


\* ± 3-15/16" (100)



\*\* 385/95 R 25 (14.00 R25)

\*\*\* 445/95 R 25 (16.00 R25)



## Weights / Working speeds / Pesos / Velocidades de trabajo

|  | Axle<br>Eje | 1 | 2      | 3      | Total weight<br>Peso total |
|--|-------------|---|--------|--------|----------------------------|
|  | [lbs]       |   | 26,455 | 26,455 | 26,455                     |

\* Incl. 15,432 lbs counterweight, 29.5' (9 m) / 52.5' (16 m) boom extension, 35.3 ton hook block, 6.6 ton swivel hook, tyres 445/95 R 25 (16.00 R 25).

\* Incl. contrapeso de 7,0 t, 9 m / 16 m plumin, 32 t gancho, 6 t gancho de bola, neumáticos 445/95 R 25 (16.00 R 25).

|  |  | Lifting capacity<br>Capacidad de elevación [tons] | Sheaves<br>Poleas | Parts of line<br>Ramales de cable | Weight<br>Peso [lbs] |
|--|--|---|-------------------|-----------------------------------|----------------------|
|  |  | 55.1 *  | 5                 | 11                                | 1,047                |
|  |  | 35.3  | 3                 | 7                                 | 661                  |
|  |  | 13.8  | 1                 | 3                                 | 408                  |
|  |  | 6.6   | -                 | 1                                 | 331                  |

\* Rams horn  
\* Gancho doble



|                                 |                                | 1                               | 2   | 3   | 4   | 5   | 6    | 7    | 8    | 9    | 10   | 11   | 12   | R1   | R2   |     |
|---------------------------------|--------------------------------|---------------------------------|-----|-----|-----|-----|------|------|------|------|------|------|------|------|------|-----|
|                                 |                                | <b>385/95</b><br>(14.00)<br>mph |     | 3.1 | 4.3 | 5.6 | 6.8  | 8.7  | 11.1 | 14.9 | 19.2 | 24.7 | 31.7 | 40.4 | 52.2 |     |
| <b>445/95</b><br>(16.00)<br>mph | <b>525/80</b><br>(20.5)<br>mph | 3.7                             | 4.3 | 6.2 | 7.4 | 9.9 | 13.1 | 16.1 | 21.1 | 27.3 | 34.8 | 44.1 | 52.8 | 3.7  | 4.9  | 59% |

| V+ | Infinitely variable<br>Infinitamente variable   | Rope<br>Cable                 | Max. single line pull<br>Trio máximo por ramal |
|----|---|-------------------------------|--|
|    | 0 - 394 ft/min<br>0 - 120 m/min<br>single line<br>ramal simple                            | 0,63" / 558'<br>16 mm / 170 m | 44 kN  |
|    | 0 - 197 ft/min<br>0 - 60 m/min<br>single line<br>ramal simple                             | 0,63" / 558'<br>16 mm / 170 m | 44 kN  |
|    | 0 - 1.9 rpm   |                               |  |
|    | -2° - +83°<br>approx. 40 s<br>aproximadamente 40 s  |                               |  |
|    | 32' 9-11/16" - 131' 2-13/16"<br>10.0 m - 40.0 m<br>approx. 100 s<br>aproximadamente 100 s |                               |  |

## Lifting capacities / Capacidades de elevación





22,046 lbs

SAE

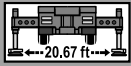
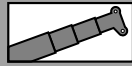
| ft    | 32.8 ft* | 32.8 ft | 45.1 ft | 57.4 ft | 69.7 ft | 82.0 ft | 94.3 ft | 106.6 ft | 118.9 ft | 131.2 ft |
|-------|----------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 8.2   | 110.0**  |         |         |         |         |         |         |          |          |          |
| 9.8   | 100.1**  | 100.1** | 66.1    | 66.1    | 44.1    |         |         |          |          |          |
| 11.5  | 91.7     | 91.7    | 66.1    | 66.1    | 44.1    | 44.1    |         |          |          |          |
| 13.1  | 84.7     | 84.7    | 66.1    | 66.1    | 44.1    | 44.1    | 38.8    |          |          |          |
| 14.8  | 78.3     | 77.4    | 66.1    | 63.3    | 44.1    | 44.1    | 38.8    |          |          |          |
| 16.4  | 72.3     | 70.1    | 66.1    | 59.3    | 44.1    | 44.1    | 37.9    | 28.2     |          |          |
| 19.7  | 59.3     | 58.6    | 57.5    | 52.5    | 44.1    | 40.1    | 34.4    | 28.2     | 21.8     |          |
| 23.0  | 49.2     | 49.2    | 47.8    | 47.2    | 41.7    | 36.4    | 31.5    | 27.3     | 21.8     | 16.5     |
| 26.2  |          |         | 43.2    | 44.1    | 38.6    | 33.3    | 28.9    | 25.4     | 21.8     | 16.5     |
| 29.5  |          |         | 35.9    | 36.6    | 35.5    | 30.4    | 26.7    | 23.4     | 20.9     | 16.5     |
| 32.8  |          |         | 30.4    | 30.9    | 31.3    | 28.0    | 24.7    | 21.8     | 19.4     | 16.5     |
| 36.1  |          |         | 26.2    | 26.7    | 26.9    | 24.5    | 22.9    | 20.3     | 18.1     | 16.1     |
| 39.4  |          |         |         | 23.4    | 23.4    | 20.9    | 20.9    | 19.0     | 17.0     | 15.2     |
| 45.9  |          |         |         | 18.1    | 18.5    | 17.9    | 16.5    | 16.5     | 15.0     | 13.4     |
| 52.5  |          |         |         |         | 14.8    | 15.2    | 13.7    | 13.4     | 13.4     | 11.9     |
| 59.1  |          |         |         |         | 12.3    | 12.6    | 12.1    | 10.8     | 11.2     | 10.8     |
| 65.6  |          |         |         |         |         | 10.6    | 10.6    | 9.5      | 9.0      | 9.3      |
| 72.2  |          |         |         |         |         | 8.8     | 9.0     | 8.4      | 7.5      | 7.7      |
| 78.7  |          |         |         |         |         |         | 7.7     | 7.5      | 6.2      | 6.6      |
| 85.3  |          |         |         |         |         |         | 6.6     | 6.6      | 5.1      | 5.5      |
| 91.9  |          |         |         |         |         |         |         | 5.7      | 4.2      | 4.4      |
| 98.4  |          |         |         |         |         |         |         | 5.1      | 3.5      | 3.7      |
| 105.0 |          |         |         |         |         |         |         |          | 2.6      | 3.1      |
| 111.5 |          |         |         |         |         |         |         |          |          | 2.4      |
| 118.1 |          |         |         |         |         |         |         |          |          | 1.8      |
| 124.7 |          |         |         |         |         |         |         |          |          |          |

\* Over rear / \* Sobre la parte trasera

\*\* With additional lifting equipments / \*\* Con equipos adicionales

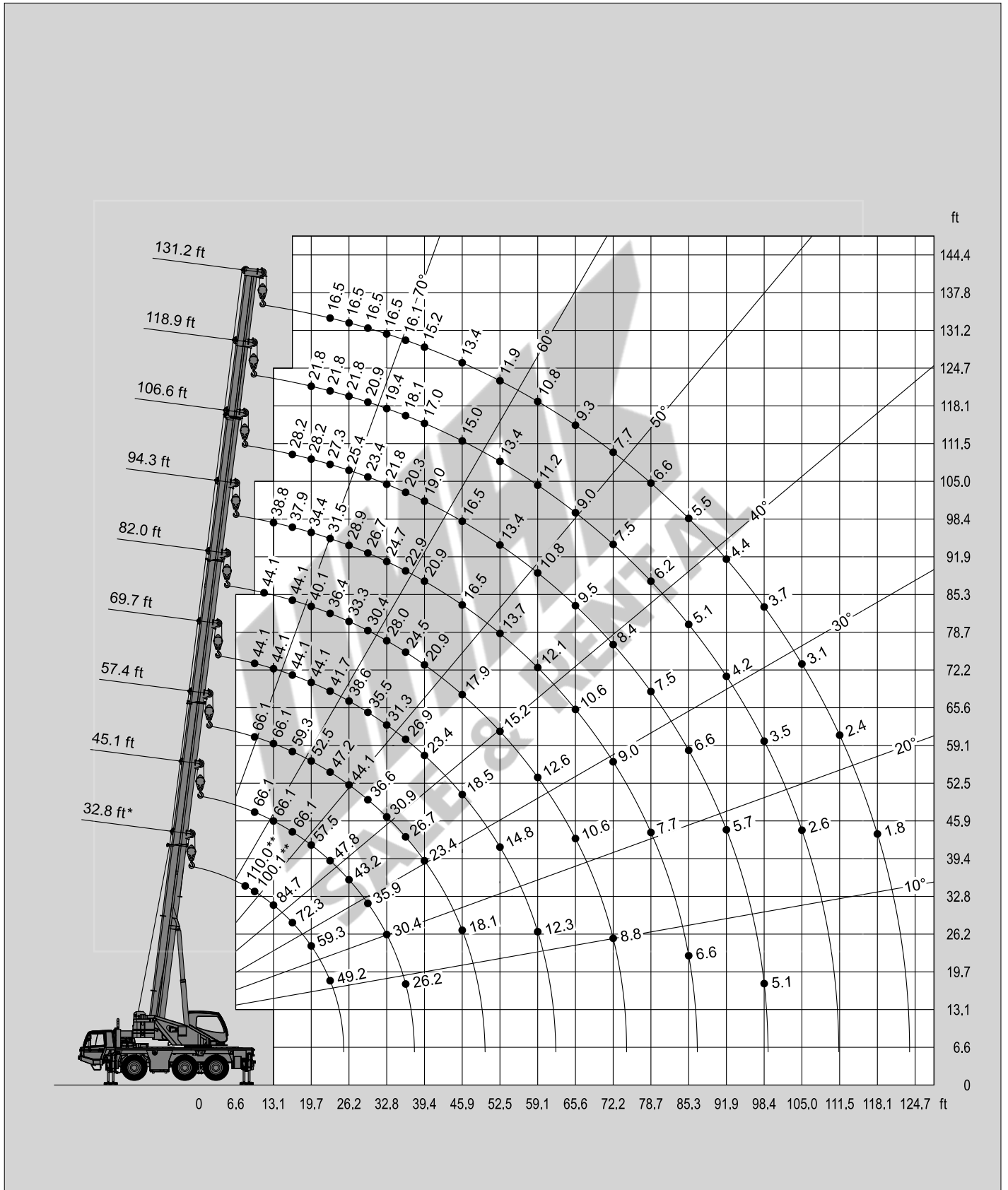
**WMA**  
**SALE & RENTAL**





22,046 lbs

SAE



\* Over rear / \* Sobre la parte trasera  
 \*\* With additional lifting equipments / \*\* Con equipos adicionales

## Lifting capacities / Capacidades de elevación




15,432 lbs

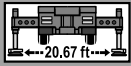
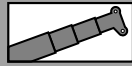
SAE

| ft    | 32.8 ft* | 32.8 ft | 45.1 ft | 57.4 ft | 69.7 ft | 82.0 ft | 94.3 ft | 106.6 ft | 118.9 ft | 131.2 ft |
|-------|----------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 8.2   | 110.0**  |         |         |         |         |         |         |          |          |          |
| 9.8   | 100.1**  | 100.1** | 66.1    | 66.1    | 44.1    |         |         |          |          |          |
| 11.5  | 91.7     | 91.7    | 66.1    | 66.1    | 44.1    | 44.1    |         |          |          |          |
| 13.1  | 84.7     | 83.6    | 66.1    | 66.1    | 44.1    | 44.1    | 38.8    |          |          |          |
| 14.8  | 78.3     | 75.0    | 66.1    | 63.3    | 44.1    | 44.1    | 38.8    |          |          |          |
| 16.4  | 70.3     | 67.9    | 66.1    | 59.3    | 44.1    | 44.1    | 37.9    | 28.2     |          |          |
| 19.7  | 56.2     | 56.0    | 54.9    | 52.5    | 44.1    | 40.1    | 34.4    | 28.2     | 21.8     |          |
| 23.0  | 45.4     | 45.0    | 44.1    | 44.1    | 41.7    | 36.4    | 31.5    | 27.3     | 21.8     | 16.5     |
| 26.2  |          |         | 37.9    | 38.4    | 38.4    | 33.3    | 28.9    | 25.4     | 21.8     | 16.5     |
| 29.5  |          |         | 30.9    | 31.5    | 32.0    | 28.9    | 26.7    | 23.4     | 20.9     | 16.5     |
| 32.8  |          |         | 26.2    | 26.9    | 27.3    | 24.5    | 24.3    | 21.8     | 19.4     | 16.5     |
| 36.1  |          |         | 22.5    | 23.1    | 23.1    | 21.6    | 21.2    | 20.3     | 18.1     | 16.1     |
| 39.4  |          |         |         | 20.1    | 20.5    | 20.1    | 18.3    | 18.5     | 17.0     | 15.2     |
| 45.9  |          |         |         | 15.7    | 16.1    | 16.1    | 15.4    | 14.6     | 14.6     | 13.4     |
| 52.5  |          |         |         |         | 13.0    | 13.0    | 13.0    | 12.1     | 11.5     | 11.7     |
| 59.1  |          |         |         |         | 10.4    | 10.6    | 10.8    | 10.6     | 9.3      | 9.5      |
| 65.6  |          |         |         |         |         | 8.6     | 9.0     | 8.8      | 7.5      | 7.7      |
| 72.2  |          |         |         |         |         | 7.3     | 7.5     | 7.5      | 6.2      | 6.4      |
| 78.7  |          |         |         |         |         |         | 6.2     | 6.4      | 4.9      | 5.1      |
| 85.3  |          |         |         |         |         |         | 5.3     | 5.3      | 3.7      | 4.0      |
| 91.9  |          |         |         |         |         |         |         | 4.6      | 2.9      | 3.1      |
| 98.4  |          |         |         |         |         |         |         | 4.0      | 2.2      | 2.4      |
| 105.0 |          |         |         |         |         |         |         |          | 1.5      | 1.8      |
| 111.5 |          |         |         |         |         |         |         |          |          | 1.3      |
| 118.1 |          |         |         |         |         |         |         |          |          |          |

\* Over rear / \* Sobre la parte trasera

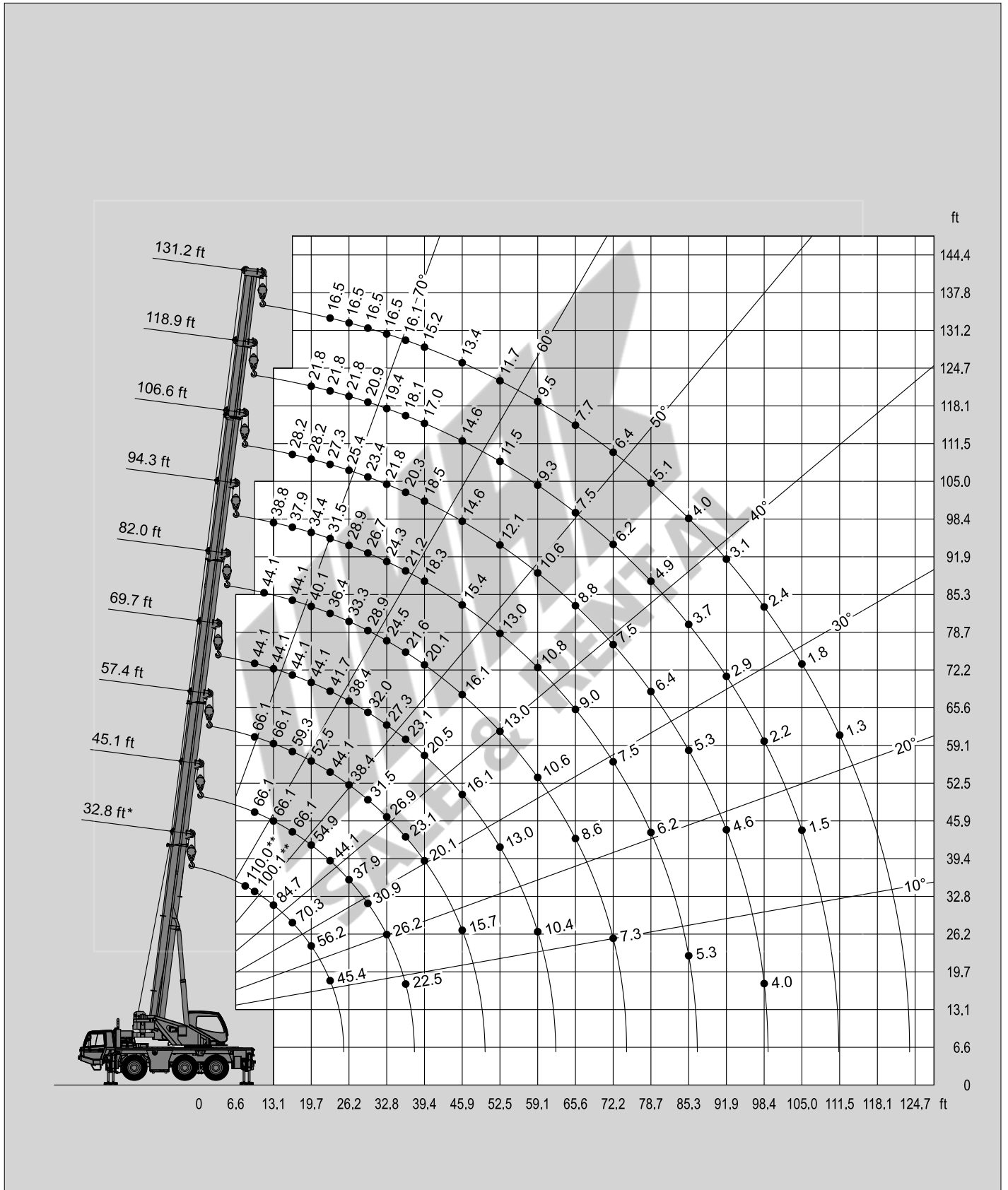
\*\* With additional lifting equipments / \*\* Con equipos adicionales





15,432 lbs

SAE



\* Over rear / \* Sobre la parte trasera  
 \*\* With additional lifting equipments / \*\* Con equipos adicionales

## Lifting capacities / Capacidades de elevación





10,803 lbs

SAE

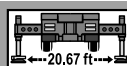
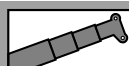
| ft    | 32.8 ft* | 32.8 ft | 45.1 ft | 57.4 ft | 69.7 ft | 82.0 ft | 94.3 ft | 106.6 ft | 118.9 ft | 131.2 ft |
|-------|----------|---------|---------|---------|---------|---------|---------|----------|----------|----------|
| 8.2   | 110.0**  |         |         |         |         |         |         |          |          |          |
| 9.8   | 100.1**  | 100.1** | 66.1    | 66.1    | 44.1    |         |         |          |          |          |
| 11.5  | 91.7     | 91.7    | 66.1    | 66.1    | 44.1    | 44.1    |         |          |          |          |
| 13.1  | 84.7     | 81.3    | 66.1    | 66.1    | 44.1    | 44.1    | 38.8    |          |          |          |
| 14.8  | 76.1     | 73.0    | 66.1    | 63.3    | 44.1    | 44.1    | 38.8    |          |          |          |
| 16.4  | 66.8     | 65.9    | 64.8    | 59.3    | 44.1    | 44.1    | 37.9    | 28.2     |          |          |
| 19.7  | 54.5     | 54.5    | 51.6    | 46.1    | 44.1    | 40.1    | 34.4    | 28.2     | 21.8     |          |
| 23.0  | 41.4     | 41.0    | 41.9    | 42.1    | 40.8    | 35.1    | 31.5    | 27.3     | 21.8     | 16.5     |
| 26.2  |          |         | 33.5    | 34.2    | 34.6    | 30.0    | 28.7    | 25.4     | 21.8     | 16.5     |
| 29.5  |          |         | 27.6    | 28.2    | 28.7    | 25.6    | 25.1    | 23.4     | 20.9     | 16.5     |
| 32.8  |          |         | 22.9    | 23.8    | 24.3    | 23.1    | 21.6    | 20.9     | 19.4     | 16.5     |
| 36.1  |          |         | 19.6    | 20.3    | 20.5    | 20.5    | 18.7    | 18.5     | 18.1     | 16.1     |
| 39.4  |          |         |         | 17.4    | 17.9    | 17.9    | 17.4    | 16.1     | 16.1     | 15.2     |
| 45.9  |          |         |         | 13.4    | 13.7    | 13.9    | 13.9    | 13.7     | 12.3     | 12.8     |
| 52.5  |          |         |         |         | 10.6    | 11.0    | 11.0    | 11.2     | 9.5      | 9.9      |
| 59.1  |          |         |         |         | 8.6     | 8.8     | 9.0     | 9.0      | 7.5      | 7.7      |
| 65.6  |          |         |         |         |         | 7.3     | 7.3     | 7.5      | 5.7      | 6.2      |
| 72.2  |          |         |         |         |         | 5.7     | 6.2     | 6.2      | 4.4      | 4.6      |
| 78.7  |          |         |         |         |         |         | 4.9     | 5.1      | 3.3      | 3.5      |
| 85.3  |          |         |         |         |         |         | 4.0     | 4.2      | 2.4      | 2.6      |
| 91.9  |          |         |         |         |         |         |         | 3.3      | 1.8      | 2.0      |
| 98.4  |          |         |         |         |         |         |         | 2.6      |          | 1.3      |
| 105.0 |          |         |         |         |         |         |         |          |          |          |

\* Over rear / \* Sobre la parte trasera

\*\* With additional lifting equipments / \*\* Con equipos adicionales

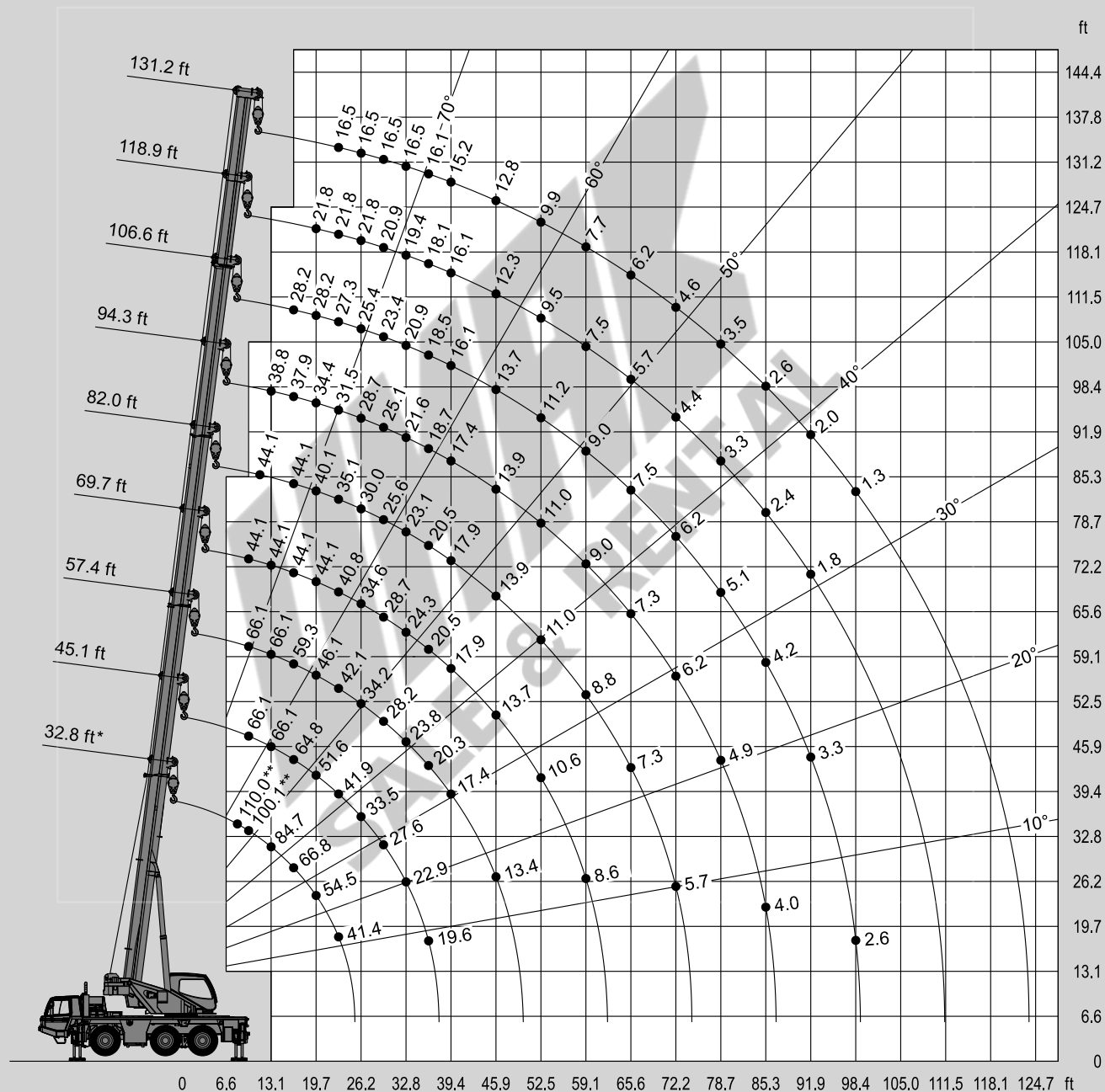
WMA  
 SALE & RENTAL





10,803 lbs

SAE



\* Over rear / \* Sobre la parte trasera

\*\* With additional lifting equipments / \*\* Con equipos adicionales

## Lifting capacities / Capacidades de elevación

22,046 lbs

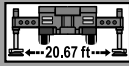
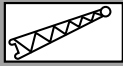
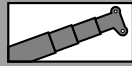
SAE

| <br>ft | 32.8 ft + 29.5 ft |      |     | 106.6 ft + 29.5 ft |      |     | 119.1 ft + 29.5 ft |     |     | 131.2 ft + 29.5 ft |     |     |
|--------|-------------------|------|-----|--------------------|------|-----|--------------------|-----|-----|--------------------|-----|-----|
|        | 0°                | 20°  | 40° | 0°                 | 20°  | 40° | 0°                 | 20° | 40° | 0°                 | 20° | 40° |
| 9.8    | 19.4              |      |     |                    |      |     |                    |     |     |                    |     |     |
| 11.5   | 19.4              |      |     |                    |      |     |                    |     |     |                    |     |     |
| 13.1   | 19.4              | 14.1 |     |                    |      |     |                    |     |     |                    |     |     |
| 14.8   | 19.0              | 13.4 |     |                    |      |     |                    |     |     |                    |     |     |
| 16.4   | 17.9              | 13.0 |     |                    |      |     |                    |     |     |                    |     |     |
| 19.7   | 15.9              | 11.9 |     | 12.8               |      |     |                    |     |     |                    |     |     |
| 23.0   | 14.3              | 11.0 | 9.3 | 12.8               |      |     |                    |     |     |                    |     |     |
| 26.2   | 13.0              | 10.4 | 8.6 | 12.8               |      |     | 9.5                |     |     |                    |     |     |
| 29.5   | 11.9              | 9.7  | 8.4 | 12.8               |      |     | 9.5                |     |     | 8.2                |     |     |
| 32.8   | 11.0              | 9.0  | 7.9 | 12.8               | 11.7 |     | 9.5                |     |     | 8.2                |     |     |
| 36.1   | 10.1              | 8.6  | 7.7 | 12.6               | 11.2 |     | 9.5                | 9.5 |     | 8.2                |     |     |
| 39.4   | 9.5               | 8.2  | 7.5 | 11.9               | 10.8 | 8.8 | 9.5                | 9.5 |     | 8.2                | 8.2 |     |
| 45.9   | 8.2               | 7.5  | 7.1 | 11.0               | 10.1 | 8.4 | 9.5                | 8.8 | 8.2 | 8.2                | 7.7 | 7.5 |
| 52.5   | 7.1               | 6.8  |     | 9.9                | 9.5  | 8.2 | 8.8                | 8.2 | 7.7 | 7.7                | 7.3 | 7.1 |
| 59.1   |                   |      |     | 9.0                | 8.8  | 7.9 | 7.9                | 7.7 | 7.3 | 7.1                | 6.8 | 6.6 |
| 65.6   |                   |      |     | 8.2                | 8.2  | 7.7 | 7.3                | 7.1 | 6.8 | 6.4                | 6.4 | 6.2 |
| 72.2   |                   |      |     | 7.1                | 7.5  | 7.5 | 6.6                | 6.6 | 6.6 | 6.0                | 6.0 | 5.7 |
| 78.7   |                   |      |     | 6.0                | 6.6  | 6.6 | 6.0                | 6.2 | 6.2 | 5.3                | 5.5 | 5.5 |
| 85.3   |                   |      |     | 5.1                | 5.5  | 5.7 | 5.3                | 5.5 | 5.7 | 4.9                | 5.1 | 5.1 |
| 91.9   |                   |      |     | 4.2                | 4.6  | 4.9 | 4.2                | 4.9 | 5.1 | 4.4                | 4.4 | 4.6 |
| 98.4   |                   |      |     | 3.1                | 3.7  | 4.0 | 3.3                | 4.0 | 4.2 | 3.3                | 3.7 | 4.2 |
| 105.0  |                   |      |     | 2.4                | 2.9  | 2.9 | 2.6                | 2.9 | 3.1 | 2.6                | 3.1 | 3.3 |
| 111.5  |                   |      |     | 2.0                | 2.2  |     | 2.0                | 2.4 | 2.4 | 2.0                | 2.4 | 2.6 |
| 118.1  |                   |      |     | 1.3                | 1.5  |     | 1.5                | 1.8 |     | 1.5                | 1.8 | 2.0 |
| 124.7  |                   |      |     |                    |      |     |                    | 1.3 |     |                    | 1.3 |     |

22,046 lbs

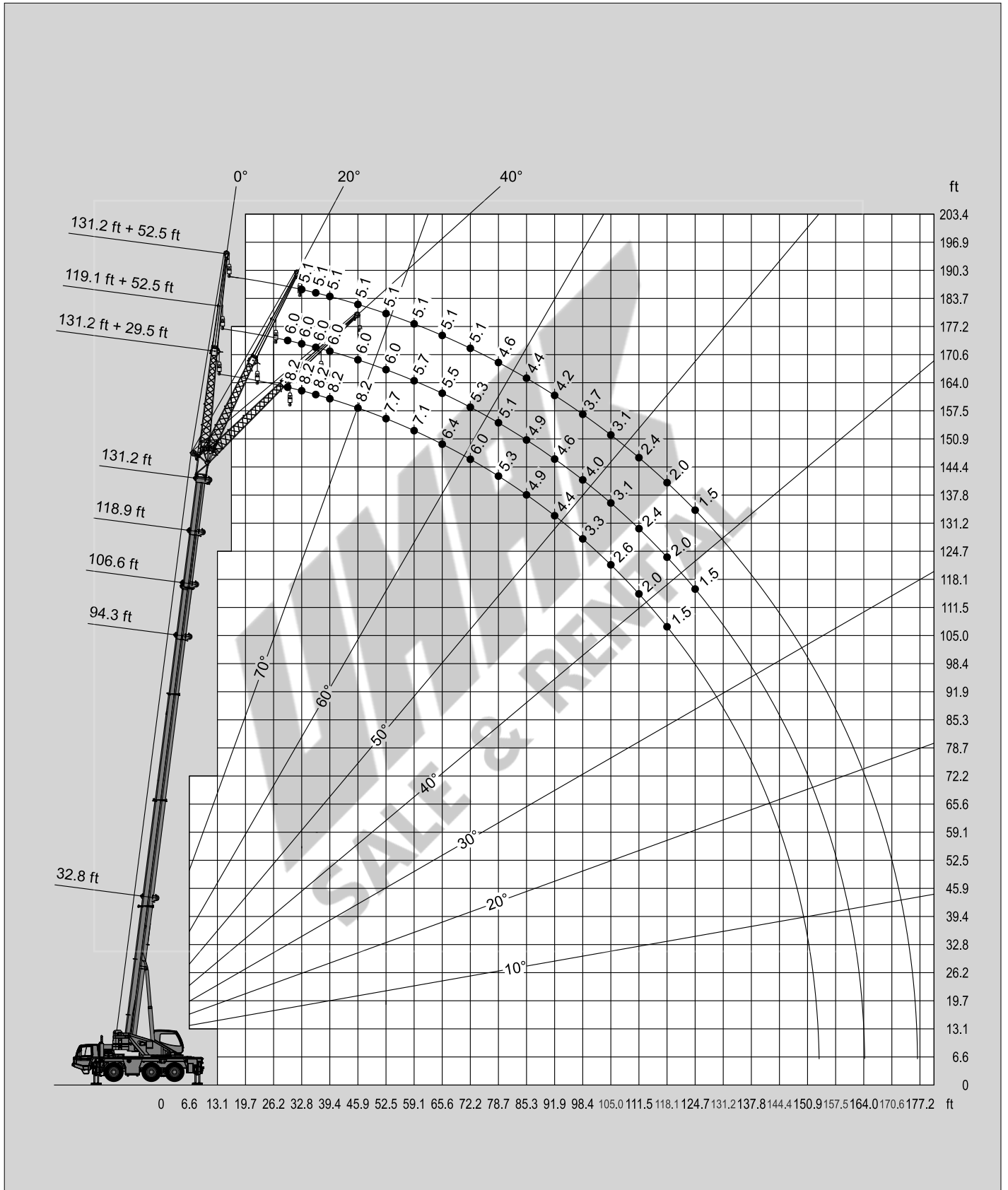
SAE

| <br>ft | 32.8 ft + 52.5 ft |     |     | 106.6 ft + 52.5 ft |     |     | 119.1 ft + 52.5 ft |     |     | 131.2 ft + 52.5 ft |     |     |
|--------|-------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|
|        | 0°                | 20° | 40° | 0°                 | 20° | 40° | 0°                 | 20° | 40° | 0°                 | 20° | 40° |
| 9.8    | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 11.5   | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 13.1   | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 14.8   | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 16.4   | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 19.7   | 9.5               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 23.0   | 8.8               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 26.2   | 8.2               |     |     | 6.6                |     |     |                    |     |     |                    |     |     |
| 29.5   | 7.7               | 6.2 |     | 6.6                |     |     | 6.0                |     |     |                    |     |     |
| 32.8   | 7.3               | 6.0 |     | 6.6                |     |     | 6.0                |     |     | 5.1                |     |     |
| 36.1   | 6.8               | 5.7 |     | 6.6                |     |     | 6.0                |     |     | 5.1                |     |     |
| 39.4   | 6.4               | 5.3 |     | 6.6                |     |     | 6.0                |     |     | 5.1                |     |     |
| 45.9   | 5.7               | 4.9 | 4.2 | 6.6                | 5.3 |     | 6.0                |     |     | 5.1                |     |     |
| 52.5   | 5.1               | 4.4 | 4.0 | 6.4                | 5.1 |     | 6.0                | 4.9 |     | 5.1                | 4.6 |     |
| 59.1   | 4.4               | 4.0 | 3.5 | 6.0                | 4.9 | 4.2 | 5.7                | 4.6 |     | 5.1                | 4.6 |     |
| 65.6   | 4.0               | 3.5 | 3.3 | 5.7                | 4.6 | 4.0 | 5.5                | 4.4 | 4.0 | 5.1                | 4.4 |     |
| 72.2   | 3.5               | 3.3 |     | 5.5                | 4.4 | 3.7 | 5.3                | 4.4 | 3.7 | 5.1                | 4.2 | 3.7 |
| 78.7   |                   |     |     | 5.1                | 4.2 | 3.7 | 5.1                | 4.2 | 3.7 | 4.6                | 4.2 | 3.7 |
| 85.3   |                   |     |     | 4.9                | 4.0 | 3.5 | 4.9                | 4.0 | 3.5 | 4.4                | 4.0 | 3.5 |
| 91.9   |                   |     |     | 4.6                | 4.0 | 3.5 | 4.6                | 4.0 | 3.5 | 4.2                | 3.7 | 3.5 |
| 98.4   |                   |     |     | 4.0                | 3.7 | 3.5 | 4.0                | 3.7 | 3.3 | 3.7                | 3.7 | 3.3 |
| 105.0  |                   |     |     | 3.1                | 3.7 | 3.3 | 3.1                | 3.5 | 3.3 | 3.1                | 3.5 | 3.3 |
| 111.5  |                   |     |     | 2.6                | 3.1 | 3.3 | 2.4                | 3.1 | 3.3 | 2.4                | 3.1 | 3.3 |
| 118.1  |                   |     |     | 2.0                | 2.6 | 2.9 | 2.0                | 2.6 | 2.9 | 2.0                | 2.6 | 3.1 |
| 124.7  |                   |     |     | 1.5                | 2.0 | 2.2 | 1.5                | 2.0 | 2.4 | 1.5                | 2.0 | 2.4 |
| 131.2  |                   |     |     |                    | 1.5 |     |                    | 1.5 | 1.8 |                    | 1.5 | 2.0 |
| 137.8  |                   |     |     |                    |     |     |                    |     |     |                    |     | 1.3 |



22,046 lbs

SAE



## Lifting capacities / Capacidades de elevación






**15,432 lbs**

**SAE**

| ft    | 32.8 ft + 29.5 ft |      |     | 106.6 ft + 29.5 ft |      |     | 119.1 ft + 29.5 ft |     |     | 131.2 ft + 29.5 ft |     |     |
|-------|-------------------|------|-----|--------------------|------|-----|--------------------|-----|-----|--------------------|-----|-----|
|       | 0°                | 20°  | 40° | 0°                 | 20°  | 40° | 0°                 | 20° | 40° | 0°                 | 20° | 40° |
| 9.8   | 19.4              |      |     |                    |      |     |                    |     |     |                    |     |     |
| 11.5  | 19.4              |      |     |                    |      |     |                    |     |     |                    |     |     |
| 13.1  | 19.4              | 14.1 |     |                    |      |     |                    |     |     |                    |     |     |
| 14.8  | 19.0              | 13.4 |     |                    |      |     |                    |     |     |                    |     |     |
| 16.4  | 17.9              | 13.0 |     |                    |      |     |                    |     |     |                    |     |     |
| 19.7  | 15.9              | 11.9 |     | 12.8               |      |     |                    |     |     |                    |     |     |
| 23.0  | 14.3              | 11.0 | 9.3 | 12.8               |      |     |                    |     |     |                    |     |     |
| 26.2  | 13.0              | 10.4 | 8.6 | 12.8               |      |     | 9.5                |     |     |                    |     |     |
| 29.5  | 11.9              | 9.7  | 8.4 | 12.8               |      |     | 9.5                |     |     | 8.2                |     |     |
| 32.8  | 11.0              | 9.0  | 7.9 | 12.8               | 11.7 |     | 9.5                |     |     | 8.2                |     |     |
| 36.1  | 10.1              | 8.6  | 7.7 | 12.6               | 11.2 |     | 9.5                | 9.5 |     | 8.2                |     |     |
| 39.4  | 9.5               | 8.2  | 7.5 | 11.9               | 10.8 | 8.8 | 9.5                | 9.5 |     | 8.2                | 8.2 |     |
| 45.9  | 8.2               | 7.5  | 7.1 | 11.0               | 10.1 | 8.4 | 9.5                | 8.8 | 8.2 | 8.2                | 7.7 | 7.5 |
| 52.5  | 7.1               | 6.8  |     | 9.9                | 9.5  | 8.2 | 8.8                | 8.2 | 7.7 | 7.7                | 7.3 | 7.1 |
| 59.1  |                   |      |     | 8.6                | 8.8  | 7.9 | 7.9                | 7.7 | 7.3 | 7.1                | 6.8 | 6.6 |
| 65.6  |                   |      |     | 7.1                | 7.9  | 7.7 | 7.1                | 7.1 | 6.8 | 6.4                | 6.4 | 6.2 |
| 72.2  |                   |      |     | 5.7                | 6.6  | 7.3 | 6.2                | 6.4 | 6.6 | 5.5                | 6.0 | 5.7 |
| 78.7  |                   |      |     | 4.6                | 5.1  | 5.5 | 4.9                | 5.5 | 6.0 | 4.6                | 5.5 | 5.5 |
| 85.3  |                   |      |     | 3.5                | 4.2  | 4.4 | 3.7                | 4.4 | 4.9 | 3.7                | 4.4 | 4.9 |
| 91.9  |                   |      |     | 2.6                | 3.3  | 3.3 | 2.9                | 3.3 | 3.7 | 2.9                | 3.3 | 4.0 |
| 98.4  |                   |      |     | 2.0                | 2.4  | 2.4 | 2.2                | 2.6 | 2.9 | 2.2                | 2.6 | 2.9 |
| 105.0 |                   |      |     | 1.3                | 1.8  | 1.8 | 1.5                | 2.0 | 2.2 | 1.5                | 2.0 | 2.2 |
| 111.5 |                   |      |     |                    |      |     |                    | 1.3 | 1.5 |                    | 1.3 | 1.5 |



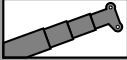
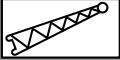
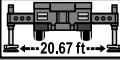




**15,432 lbs**

**SAE**

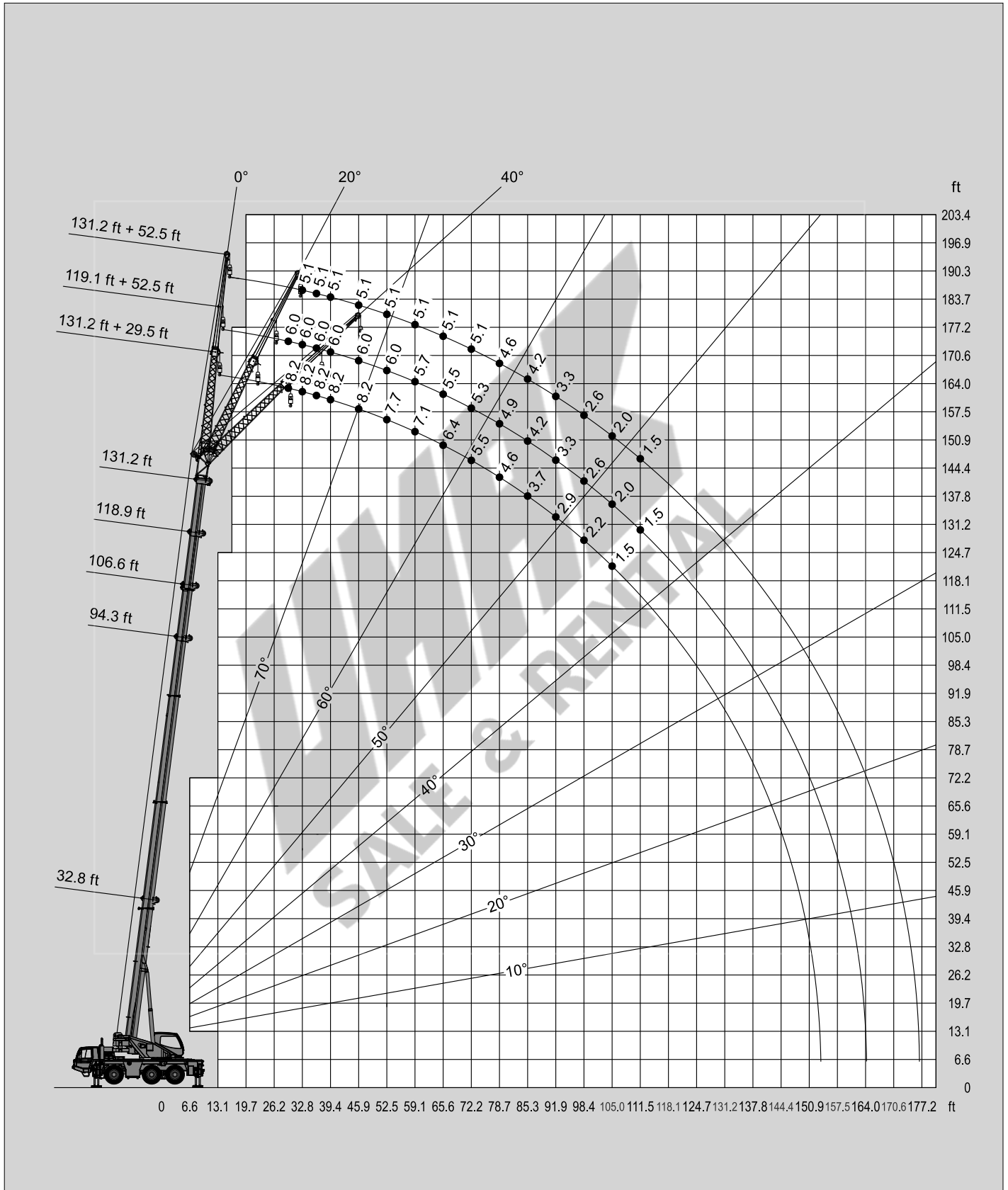
| ft    | 32.8 ft + 52.5 ft |     |     | 106.6 ft + 52.5 ft |     |     | 119.1 ft + 52.5 ft |     |     | 131.2 ft + 52.5 ft |     |     |
|-------|-------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|
|       | 0°                | 20° | 40° | 0°                 | 20° | 40° | 0°                 | 20° | 40° | 0°                 | 20° | 40° |
| 9.8   | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 11.5  | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 13.1  | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 14.8  | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 16.4  | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 19.7  | 9.5               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 23.0  | 8.8               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 26.2  | 8.2               |     |     | 6.6                |     |     |                    |     |     |                    |     |     |
| 29.5  | 7.7               | 6.2 |     | 6.6                |     |     | 6.0                |     |     |                    |     |     |
| 32.8  | 7.3               | 6.0 |     | 6.6                |     |     | 6.0                |     |     | 5.1                |     |     |
| 36.1  | 6.8               | 5.7 |     | 6.6                |     |     | 6.0                |     |     | 5.1                |     |     |
| 39.4  | 6.4               | 5.3 |     | 6.6                |     |     | 6.0                |     |     | 5.1                |     |     |
| 45.9  | 5.7               | 4.9 | 4.2 | 6.6                | 5.3 |     | 6.0                |     |     | 5.1                |     |     |
| 52.5  | 5.1               | 4.4 | 4.0 | 6.4                | 5.1 |     | 6.0                | 4.9 |     | 5.1                | 4.6 |     |
| 59.1  | 4.4               | 4.0 | 3.5 | 6.0                | 4.9 | 4.2 | 5.7                | 4.6 |     | 5.1                | 4.6 |     |
| 65.6  | 4.0               | 3.5 | 3.3 | 5.7                | 4.6 | 4.0 | 5.5                | 4.4 | 4.0 | 5.1                | 4.4 |     |
| 72.2  | 3.5               | 3.3 |     | 5.5                | 4.4 | 3.7 | 5.3                | 4.4 | 3.7 | 5.1                | 4.2 | 3.7 |
| 78.7  |                   |     |     | 4.9                | 4.2 | 3.7 | 4.9                | 4.2 | 3.7 | 4.6                | 4.2 | 3.7 |
| 85.3  |                   |     |     | 4.2                | 4.0 | 3.5 | 4.2                | 4.0 | 3.5 | 4.2                | 4.0 | 3.5 |
| 91.9  |                   |     |     | 3.3                | 4.0 | 3.5 | 3.3                | 4.0 | 3.5 | 3.3                | 3.7 | 3.5 |
| 98.4  |                   |     |     | 2.6                | 3.5 | 3.5 | 2.6                | 3.7 | 3.3 | 2.6                | 3.3 | 3.3 |
| 105.0 |                   |     |     | 2.0                | 2.6 | 3.3 | 2.0                | 2.6 | 3.3 | 2.0                | 2.6 | 3.1 |
| 111.5 |                   |     |     | 1.5                | 2.2 | 2.4 | 1.5                | 2.2 | 2.6 | 1.5                | 2.2 | 2.6 |
| 118.1 |                   |     |     |                    | 1.5 | 2.0 |                    | 1.5 | 2.0 |                    | 1.5 | 2.0 |
| 124.7 |                   |     |     |                    |     | 1.3 |                    |     | 1.5 |                    |     | 1.5 |



15,432 lbs

SAE



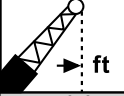
## Lifting capacities / Capacidades de elevación






**10,803 lbs**

**SAE**

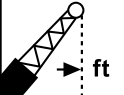
| <br>ft | 32.8 ft + 29.5 ft |      |     | 106.6 ft + 29.5 ft |      |     | 119.1 ft + 29.5 ft |     |     | 131.2 ft + 29.5 ft |     |     |
|---|-------------------|------|-----|--------------------|------|-----|--------------------|-----|-----|--------------------|-----|-----|
|   | 0°                | 20°  | 40° | 0°                 | 20°  | 40° | 0°                 | 20° | 40° | 0°                 | 20° | 40° |
| 9.8   | 19.4              |      |     |                    |      |     |                    |     |     |                    |     |     |
| 11.5  | 19.4              |      |     |                    |      |     |                    |     |     |                    |     |     |
| 13.1  | 19.4              | 14.1 |     |                    |      |     |                    |     |     |                    |     |     |
| 14.8  | 19.0              | 13.4 |     |                    |      |     |                    |     |     |                    |     |     |
| 16.4  | 17.9              | 13.0 |     |                    |      |     |                    |     |     |                    |     |     |
| 19.7  | 15.9              | 11.9 |     | 12.8               |      |     |                    |     |     |                    |     |     |
| 23.0  | 14.3              | 11.0 | 9.3 | 12.8               |      |     |                    |     |     |                    |     |     |
| 26.2  | 13.0              | 10.4 | 8.6 | 12.8               |      |     | 9.5                |     |     |                    |     |     |
| 29.5  | 11.9              | 9.7  | 8.4 | 12.8               |      |     | 9.5                |     |     | 8.2                |     |     |
| 32.8  | 11.0              | 9.0  | 7.9 | 12.8               | 11.7 |     | 9.5                |     |     | 8.2                |     |     |
| 36.1  | 10.1              | 8.6  | 7.7 | 12.6               | 11.2 |     | 9.5                | 9.5 |     | 8.2                |     |     |
| 39.4  | 9.5               | 8.2  | 7.5 | 11.9               | 10.8 | 8.8 | 9.5                | 9.5 |     | 8.2                | 8.2 |     |
| 45.9  | 8.2               | 7.5  | 7.1 | 11.0               | 10.1 | 8.4 | 9.5                | 8.8 | 8.2 | 8.2                | 7.7 | 7.5 |
| 52.5  | 7.1               | 6.8  |     | 8.8                | 9.5  | 8.2 | 8.8                | 8.2 | 7.7 | 7.7                | 7.3 | 7.1 |
| 59.1  |                   |      |     | 6.8                | 8.2  | 7.9 | 7.3                | 7.7 | 7.3 | 7.1                | 6.8 | 6.6 |
| 65.6  |                   |      |     | 5.5                | 6.6  | 7.1 | 5.7                | 6.4 | 6.8 | 5.7                | 6.2 | 6.2 |
| 72.2  |                   |      |     | 4.2                | 5.1  | 5.5 | 4.4                | 5.3 | 5.7 | 4.4                | 5.3 | 5.7 |
| 78.7  |                   |      |     | 3.1                | 4.0  | 4.4 | 3.3                | 4.2 | 4.6 | 3.3                | 4.2 | 4.6 |
| 85.3  |                   |      |     | 2.2                | 2.6  | 3.1 | 2.4                | 3.1 | 3.3 | 2.4                | 3.1 | 3.5 |
| 91.9  |                   |      |     | 1.5                | 2.0  | 2.2 | 1.8                | 2.2 | 2.6 | 1.8                | 2.2 | 2.6 |
| 98.4  |                   |      |     |                    | 1.3  | 1.5 |                    | 1.5 | 1.8 |                    | 1.5 | 2.0 |
| 105.0   |                   |      |     |                    |      |     |                    |     |     |                    |     | 1.3 |






**10,803 lbs**

**SAE**

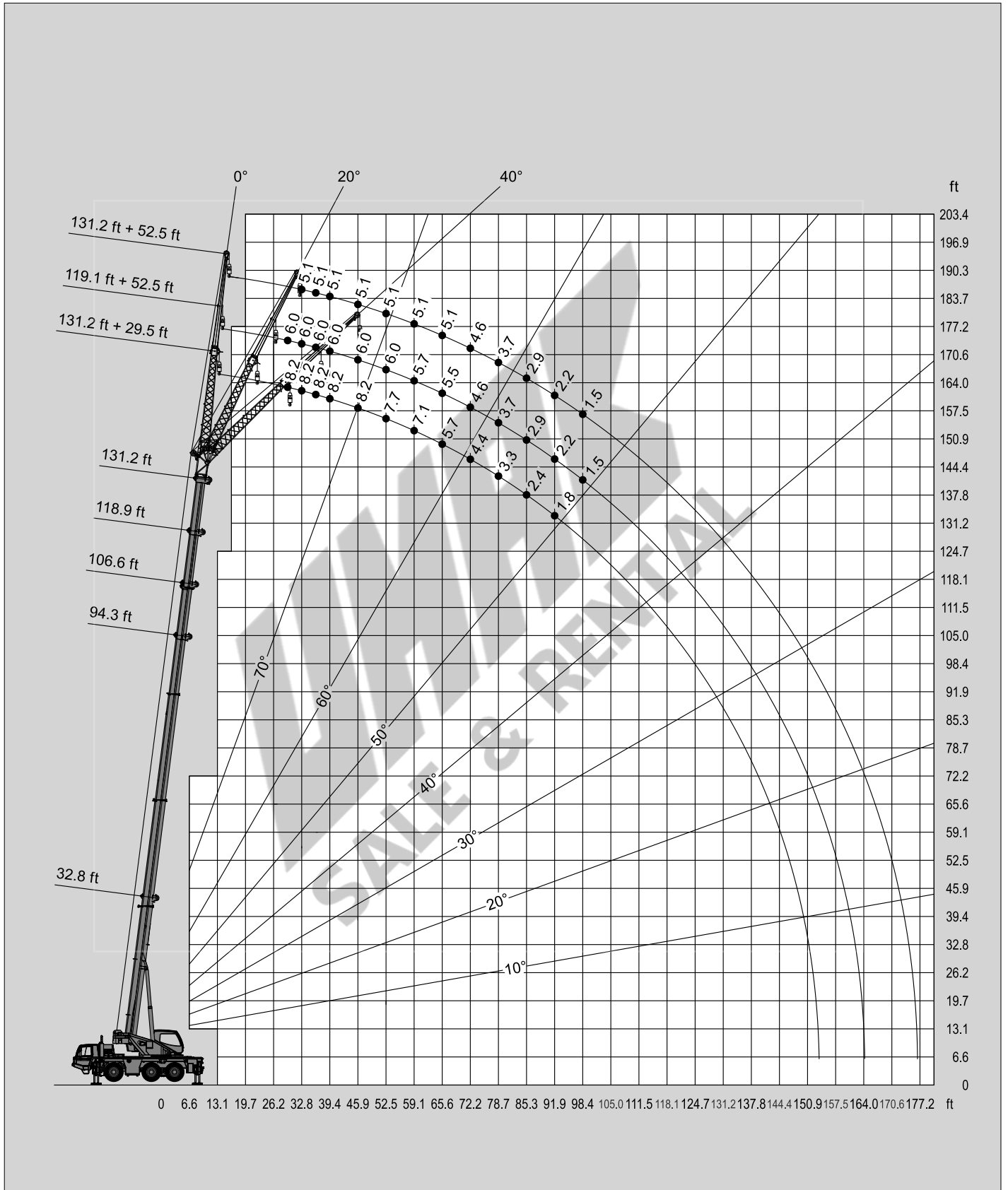
| <br>ft | 32.8 ft + 52.5 ft |     |     | 106.6 ft + 52.5 ft |     |     | 119.1 ft + 52.5 ft |     |     | 131.2 ft + 52.5 ft |     |     |
|---|-------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|--------------------|-----|-----|
|   | 0°                | 20° | 40° | 0°                 | 20° | 40° | 0°                 | 20° | 40° | 0°                 | 20° | 40° |
| 9.8   | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 11.5  | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 13.1  | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 14.8  | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 16.4  | 9.7               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 19.7  | 9.5               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 23.0  | 8.8               |     |     |                    |     |     |                    |     |     |                    |     |     |
| 26.2  | 8.2               |     |     | 6.6                |     |     |                    |     |     |                    |     |     |
| 29.5  | 7.7               | 6.2 |     | 6.6                |     |     | 6.0                |     |     |                    |     |     |
| 32.8  | 7.3               | 6.0 |     | 6.6                |     |     | 6.0                |     |     | 5.1                |     |     |
| 36.1  | 6.8               | 5.7 |     | 6.6                |     |     | 6.0                |     |     | 5.1                |     |     |
| 39.4  | 6.4               | 5.3 |     | 6.6                |     |     | 6.0                |     |     | 5.1                |     |     |
| 45.9  | 5.7               | 4.9 | 4.2 | 6.6                | 5.3 |     | 6.0                |     |     | 5.1                |     |     |
| 52.5  | 5.1               | 4.4 | 4.0 | 6.4                | 5.1 |     | 6.0                | 4.9 |     | 5.1                | 4.6 |     |
| 59.1  | 4.4               | 4.0 | 3.5 | 6.0                | 4.9 | 4.2 | 5.7                | 4.6 |     | 5.1                | 4.6 |     |
| 65.6  | 4.0               | 3.5 | 3.3 | 5.7                | 4.6 | 4.0 | 5.5                | 4.4 | 4.0 | 5.1                | 4.4 |     |
| 72.2  | 3.5               | 3.3 |     | 4.9                | 4.4 | 3.7 | 4.6                | 4.4 | 3.7 | 4.6                | 4.2 | 3.7 |
| 78.7  |                   |     |     | 4.0                | 4.2 | 3.7 | 3.7                | 4.2 | 3.7 | 3.7                | 4.2 | 3.7 |
| 85.3  |                   |     |     | 3.1                | 4.0 | 3.5 | 2.9                | 4.0 | 3.5 | 2.9                | 4.0 | 3.5 |
| 91.9  |                   |     |     | 2.2                | 3.1 | 3.5 | 2.2                | 3.1 | 3.5 | 2.2                | 3.1 | 3.5 |
| 98.4  |                   |     |     | 1.8                | 2.4 | 3.1 | 1.5                | 2.4 | 3.1 | 1.5                | 2.4 | 3.1 |
| 105.0   |                   |     |     |                    | 1.8 | 2.2 |                    | 1.8 | 2.4 |                    | 1.8 | 2.4 |
| 111.5   |                   |     |     |                    | 1.3 | 1.8 |                    | 1.3 | 1.8 |                    | 1.3 | 1.8 |
| 118.1   |                   |     |     |                    |     |     |                    |     |     |                    |     | 1.3 |







10,803 lbs

SAE




## Lifting capacities / Capacidades de elevación

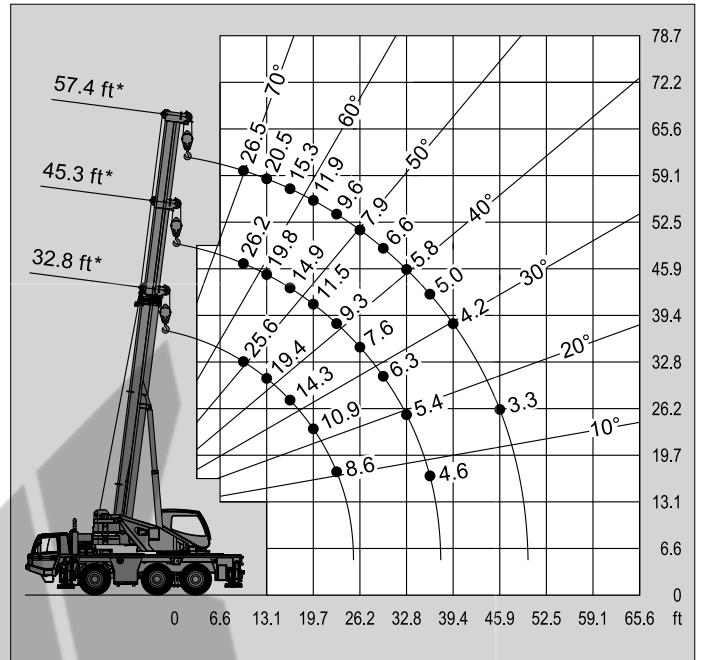
## Lifting heights / Alturas de elevación



**22,046 lbs**
SAE

| ft   | 32.8 ft* | 45.3 ft* | 57.4 ft* |
|------|----------|----------|----------|
| 9.8  | 25.6     | 26.2     | 26.5     |
| 11.5 | 22.7     | 23.1     | 23.6     |
| 13.1 | 19.4     | 19.8     | 20.5     |
| 14.8 | 17.0     | 17.6     | 17.9     |
| 16.4 | 14.3     | 14.9     | 15.3     |
| 19.7 | 10.9     | 11.5     | 11.9     |
| 23.0 | 8.6      | 9.3      | 9.6      |
| 26.2 |          | 7.6      | 7.9      |
| 29.5 |          | 6.3      | 6.6      |
| 32.8 |          | 5.4      | 5.8      |
| 36.1 |          | 4.6      | 5.0      |
| 39.4 |          |          | 4.2      |
| 45.9 |          |          | 3.3      |
| 52.5 |          |          |          |

\* Superstructure locked / \* Bloqueo de superestructura



**22,046 lbs**
SAE

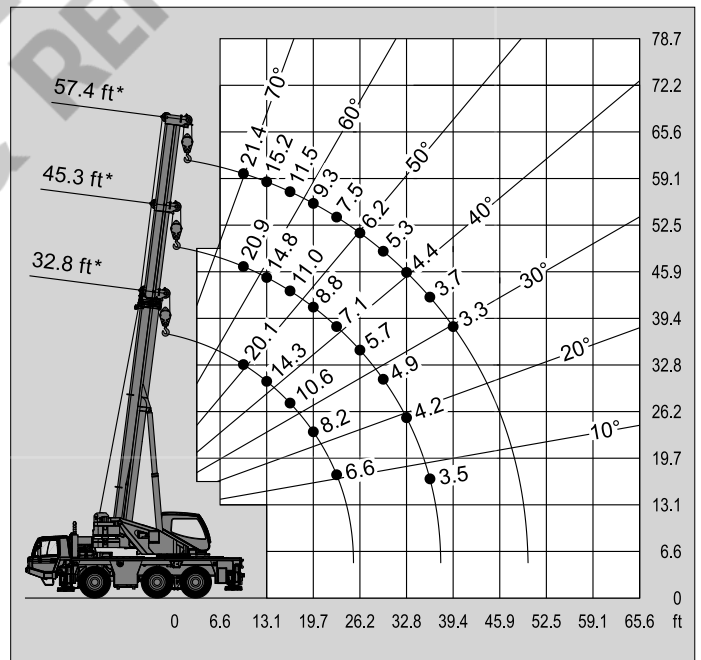



**15,432 lbs**
SAE

| m    | 32.8 ft* | 45.3 ft* | 57.4 ft* |
|------|----------|----------|----------|
| 9.8  | 20.1     | 20.9     | 21.4     |
| 11.5 | 16.8     | 17.4     | 17.9     |
| 13.1 | 14.3     | 14.8     | 15.2     |
| 14.8 | 12.1     | 12.8     | 13.2     |
| 16.4 | 10.6     | 11.0     | 11.5     |
| 19.7 | 8.2      | 8.8      | 9.3      |
| 23.0 | 6.6      | 7.1      | 7.5      |
| 26.2 |          | 5.7      | 6.2      |
| 29.5 |          | 4.9      | 5.3      |
| 32.8 |          | 4.2      | 4.4      |
| 36.1 |          | 3.5      | 3.7      |
| 39.4 |          |          | 3.3      |
| 45.9 |          |          |          |
| 52.5 |          |          |          |

\* Superstructure locked / \* Bloqueo de superestructura




**15,432 lbs**
SAE









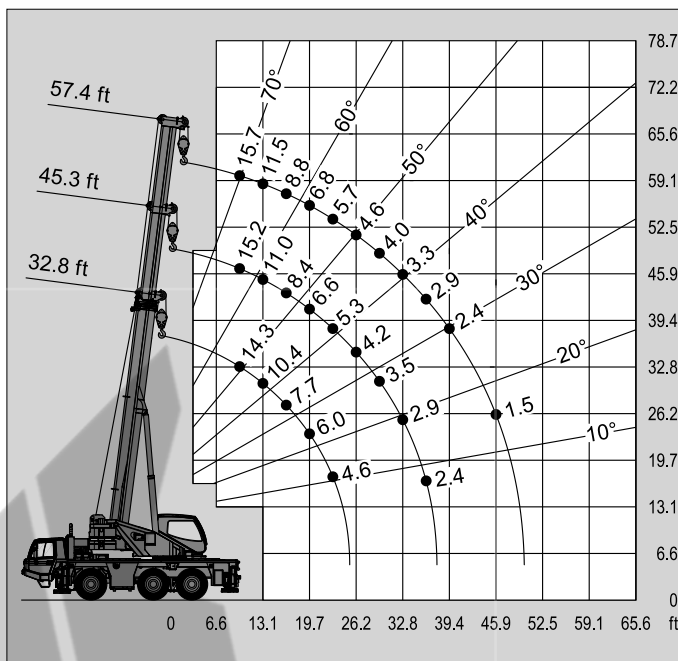
## Lifting capacities / Capacidades de elevación

## Lifting heights / Alturas de elevación




**10,803 lbs**


| ft   | 32.8 ft | 45.3 ft | 57.4 ft |
|------|---------|---------|---------|
| 9.8  | 14.3    | 15.2    | 15.7    |
| 11.5 | 12.1    | 13.0    | 13.4    |
| 13.1 | 10.4    | 11.0    | 11.5    |
| 14.8 | 9.0     | 9.7     | 10.1    |
| 16.4 | 7.7     | 8.4     | 8.8     |
| 19.7 | 6.0     | 6.6     | 6.8     |
| 23.0 | 4.6     | 5.3     | 5.7     |
| 26.2 |         | 4.2     | 4.6     |
| 29.5 |         | 3.5     | 4.0     |
| 32.8 |         | 2.9     | 3.3     |
| 36.1 |         | 2.4     | 2.9     |
| 39.4 |         |         | 2.4     |
| 45.9 |         |         | 1.5     |
| 52.5 |         |         |         |




**10,803 lbs**




WMR  
 SALE & RENTAL

## WARNING AND OPERATING INSTRUCTIONS FOR LIFTING CAPACITIES ATF 50G-3

### GENERAL

- Total rated loads shown on the TADANO LOAD RATING CHARTS apply only to the machine as originally manufactured and normally equipped by TADANO. Modifications to the machine or use of optional equipment other than that specified can result in a reduction of capacity.
- Construction equipment can be dangerous if improperly operated or maintained. Operation and maintenance of this machine must be in compliance with the information in the operation, safety and maintenance manual supplied with the machine. If this manual is missing, order replacement through the distributor.
- The operator and other personnel associated with this machine shall fully acquaint themselves with the latest applicable American National Standards Institute (ANSI) safety standards for cranes.

### SET UP

- Total rated loads shown on the TADANO LOAD RATING CHARTS are the maximum allowable crane capacities and are based on the machine standing level on firm supporting surface under ideal job conditions. Depending on the nature of the supporting surface, it may be necessary to have structural supports under the outrigger floats to spread the load to a larger bearing surface.
- For an outrigger operation, outriggers shall be extended to the dimension according to the TADANO LOAD RATING CHARTS and secured by pins with tires free of supporting surface, before operating crane.
- If counterweight is moved down from its stop during crane operation (indicator "counterweight center" goes out), crane slewing movement is switched off. Counterweight must be raised again to its stop.

### OPERATION

- Total rated loads with outriggers fully extended do not exceed 85% of the tipping loads. Total rated loads with outriggers half extended are determined from the formula: total rated load = (tipping load - 0.1 tip reaction) / 1.25.
- The crane's structural steelwork is in accordance with DIN 15018, part 3. Design and construction of the crane comply with DIN 15018, part 2 and with F.E.M regulations.
- Total rated loads include the weight of the main hook block, auxiliary hook block, sling and other auxiliary lifting devices and all their weights shall be subtracted from the listed capacities to obtain the net load to be lifted.

|                               |     |      |      |      |      |      |      |      |      |      |      |      |
|-------------------------------|-----|------|------|------|------|------|------|------|------|------|------|------|
| Hook ball / hook block [tons] | 6.6 | 13.8 | 35.3 |      |      |      | 55.1 |      |      |      | 69.4 |      |
| Number of sheaves             | -   | 1    | 3    |      |      |      | 5    |      |      |      | 7    |      |
| Number of rope falls          | 1   | 2    | 3    | 4    | 5    | 6    | 7    | 8    | 9    | 10   | 11   | 13*  |
| Max. lifting capacity [tons]  | 4.7 | 9.6  | 13.8 | 18.8 | 23.3 | 27.8 | 31.9 | 36.3 | 40.2 | 44.4 | 48.2 | 55.0 |
| Weight [lbs]                  | 330 | 400  | 660  |      |      |      | 1060 |      |      |      | 1540 |      |

\* For more than 11 rope falls additional lifting equipment is necessary, see operation manual.

- Total rated loads are based on freely suspended loads and make no allowance for such factors as the effect of wind, sudden stopping of loads, supporting surface conditions, operating speeds, side loads, etc. Side pull on boom or jib is extremely dangerous.
- Total rated loads do not account for wind on lifted load or boom. Total rated loads and boom length shall be appropriately reduced, when wind velocity is above 22 mph (32 ft/sec).
- Total rated loads at load radius shall not be exceeded. Do not tip the crane to determine allowable loads.
- Do not operate at boom lengths beyond radii or boom angles where no capacities are shown. Crane may overturn without any load on the hook.
- Slewing of the superstructure on tires is admissible only when the crane is equipped with 10,803 lbs counterweight at maximum.
- The lifting capacity ratings specified in the TADANO LOAD RATING CHARTS apply to the telescopic boom without fly jib fixed in transport position or working position. If the fly jib is secured to the telescopic boom in transport position or working position, the lifting capacities of the telescopic boom are reduced by the values specified below. The weight of the fly jib (2000 lbs) is detected in terms of a load, and the load moment limiter will shut off earlier.

| Load rating reduction for the telescopic boom with mounted fly jib |                             |      |      |      |      |      |       |       |       |  |  |
|--|-----------------------------|------|------|------|------|------|-------|-------|-------|--|--|
| Position of the fly jib  | Telescopic boom length [ft] |      |      |      |      |      |       |       |       |  |  |
|  | 32.8                        | 45.3 | 57.4 | 69.9 | 82.0 | 94.5 | 106.6 | 119.1 | 131.2 |  |  |
| Load rating reduction [tons]                                       |                             |      |      |      |      |      |       |       |       |  |  |
| 29.5 ft / 52.5 ft fly jib, mounted in transport position           | 0.11                        | 0.11 | 0.07 | 0.03 | 0.02 | 0.02 | 0.02  | 0.01  | 0.01  |  |  |
| 29.5 ft fly jib, mounted to boom head                              | 2.97                        | 2.33 | 1.96 | 1.73 | 1.57 | 1.06 | 0.86  | 0.81  | 0.77  |  |  |
| 52.5 ft fly jib, mounted to boom head                              | 6.50                        | 4.97 | 4.09 | 3.53 | 3.14 | 1.94 | 1.44  | 1.32  | 1.21  |  |  |

- When making lifts at a load radius not shown, use the next longer radius to determine allowable capacity.
- Load per rope fall should not exceed 10,100 lbf for the main winch and 10,100 lbf for the auxiliary winch.
- Loaded boom angles are approximate. The boom angle before loading should be greater to account for deflection.
- The 32.8 ft boom length capacities are based on the telescopic boom being fully retracted. If not fully retracted (less than 45.1 ft boom length), use the total rated loads for the 45.1 ft boom length according to the telescoping sequence.
- Extension or retraction of the telescopic boom with loads may be attempted within the limits of the TADANO LOAD RATING CHARTS. The ability to telescope loads is limited by hydraulic pressure, boom angle, boom length, crane maintenance, etc.
- When erecting or stowing the fly jib, be sure to retain it by hand or by other means to prevent its free movement.
- Use the Anti-Two Block (OVERWIND CUTOFF) disable switch when erecting or stowing the fly jib and stowing the hook block. While the switch is pushed, the hoist will not stop, even when an overwind condition occurs.
- The working radii specified in the TADANO LOAD RATING CHARTS for the fly jib apply only if the telescopic boom is extended according to the TADANO LOAD RATING CHARTS. If one or more elements of the telescopic boom are retracted partially or completely, the specified boom angles will be decisive in determining total rated lifting capacities.

- When lifting a load by using the fly jib (auxiliary hoist) and telescopic boom (main hoist) simultaneously, do the following:
  - Select the correct program for the load moment device in accordance with jib length, jib offset angle, counterweight and outrigger base.
  - Before starting the operation, make sure that the weight of the load is within the total rated load for the fly jib.
- Safe Load Indicator (S.L.I.)
 

Before working with the telescopic boom or fly jib, make sure that the automatic safe load indicator is working properly. Before lifting the crane driver has to check the load for any lifting cycle. For working with telescopic boom or fly jib the automatic safe load indicator has to set to the correct automatic safe load indicator mode according to the existing crane working condition. The information shown at the automatic safe load indicator display gives permanent information for crane usage to the crane driver.
- Working with Single Top
 

Operation with the single top is allowed with the main winch and the auxiliary winch. The maximum allowed line pull for single top operation is 10,100 lbf. For operations with the single top mounted, select single rope fall and the correct S.L.I. code in accordance with existing counterweight and outrigger base. The maximum allowed capacity is limited by the selected S.L.I. code for main boom operation according to existing counterweight and outrigger base at one side and by the single line pull which is limited by hydraulic pressure at the other side. For operations with single top, the S.L.I. display indications for working radius and actual load are not absolutely exact, because the geometrical dimensions for the single top are not taken into account at boom geometry for the S.L.I. system.

For operations with the single top mounted, use the TADANO LOAD RATING CHARTS for the telescopic boom in accordance with existing counterweight and outrigger base to find the total rated lifting capacity and also select the correct S.L.I. code for the telescopic boom in accordance with the existing counterweight and outrigger base. Find the total rated lifting capacity based on boom length and working radius. From that value, subtract 1,100 lbs and the weights of all lifting equipment used including hook block, sling and other auxiliary lifting devices.

The result (<total rated lifting capacity> - <1,100 lbs> - <lifting equipment>) is the total rated lifting capacity for a single top lift.
- Working with Auxiliary Winch
 

The weight of the auxiliary winch is taken into account as a part of counterweight. Therefore the auxiliary winch must be always attached to the superstructure for crane working. In case that the auxiliary winch is disassembled from superstructure, the 2 counterweight pieces each with 0.44 tons have to be attached to the superstructure instead of auxiliary winch.

### Definitions

- Working Radius:** Horizontal distance from a projection of the axis of rotation to supporting surface before loading to the center of the vertical hoist line or tackle with load applied. The deflection of the boom due to its deadweight and the rated load are taken into account.
- Loaded Boom Angle:** The angle between the boom base section and the horizontal, after lifting the total rated load at the working radius.
- Working Area:** Area measured in a circular arc about the centerline of rotation.
- Freely Suspended Load:** Load hanging free with no direct external force applied except by the hoist line.
- Side Load:** Horizontal side force applied to the lifted load either on the ground or in the air.

### WARNING AND OPERATING INSTRUCTIONS FOR ON TIRE CAPACITIES

- Total rated lifting capacities on tires are in pounds and do not exceed 75% of tipping loads as determined by test in accordance with SAE J765.
- Total rated lifting capacities shown in the TADANO LOAD RATING CHARTS are based on the condition that the crane is set on firm level supporting surfaces with suspension let down to block. They are based on actual load radius increased by tire deformation and boom deflection.
- Total rated lifting capacities are based on proper tire inflation, capacity and condition. Damaged tires are hazardous to safe operation of the crane.
- Tires shall be inflated to correct air pressure, acc. to tire size at carrier:

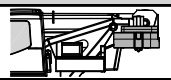
| Tire                       | Air Pressure                       |
|----------------------------|------------------------------------|
| 385 / 95 R 25 (14.00 R 25) | 145 psi (10 kg f/cm <sup>2</sup> ) |
| 445 / 95 R 25 (16.00 R 25) | 130 psi (9 kg f/cm <sup>2</sup> )  |
| 525 / 80 R 25 (20.5 R 25)  | 100 psi (7 kg f/cm <sup>2</sup> )  |

- On tire lifting with "fly jib" is not permitted.
- When making a lift on tires, set the parking brake.
- Traveling with the load is permitted only if the following conditions exist:
  - Machine is set on firm level supporting surface; tires inflated to specified pressure; boom must be centered over the rear of the machine; superstructure swing lock pin engaged; slewing brake engaged; maximum boom length not to exceed 57.4 ft; lifted load kept as close to the ground as possible and fastened to the chassis to prevent the lifted load from swinging or oscillating; travel slowly with a creeping speed not to exceed 1 mph; and especially avoid any abrupt steering, accelerating or braking.
  - If possible, extend the outriggers and lower the outrigger floats to just above ground level.
- Do not operate the crane while carrying the load.

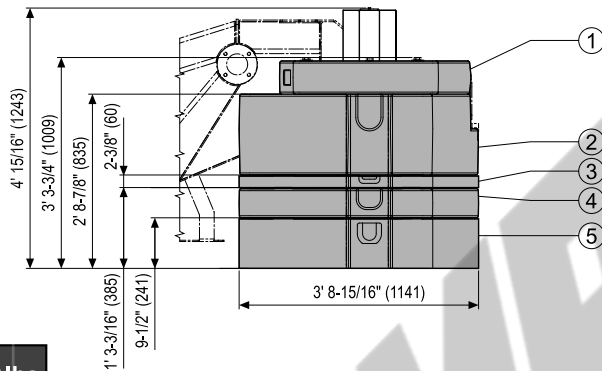
### Safe Load Indicator

The Safe Load Indicator is intended as an aid to the operator. Under no condition should it be relied upon to replace use of TADANO LOAD RATING CHARTS and Operating Instructions. Sole reliance upon the Safe Load Indicator Aids in place of good operating practice can cause an accident. The operator must exercise caution to assure safety.

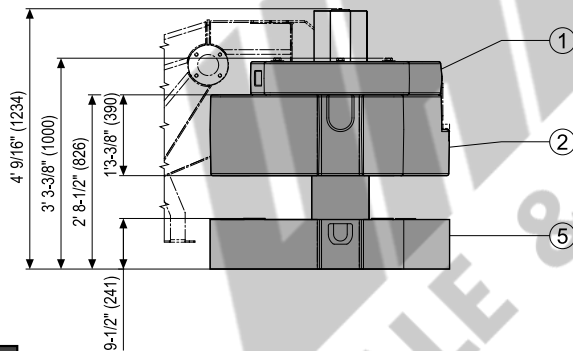
## Counterweight versions / Variaciones de contrapeso

|  | Counterweight<br>Contrapeso | 2x    | 1x    | 1x    | 1x    | 1x    |
|---|-----------------------------|-------|-------|-------|-------|-------|
|   | [lbs]                       | ①     | ②     | ③     | ④     | ⑤     |
|   |                             | 881.8 | 9,039 | 2,205 | 4,409 | 4,630 |

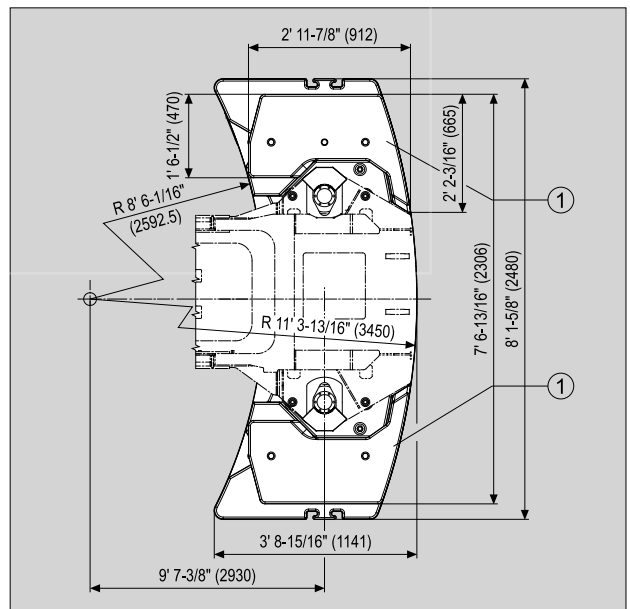
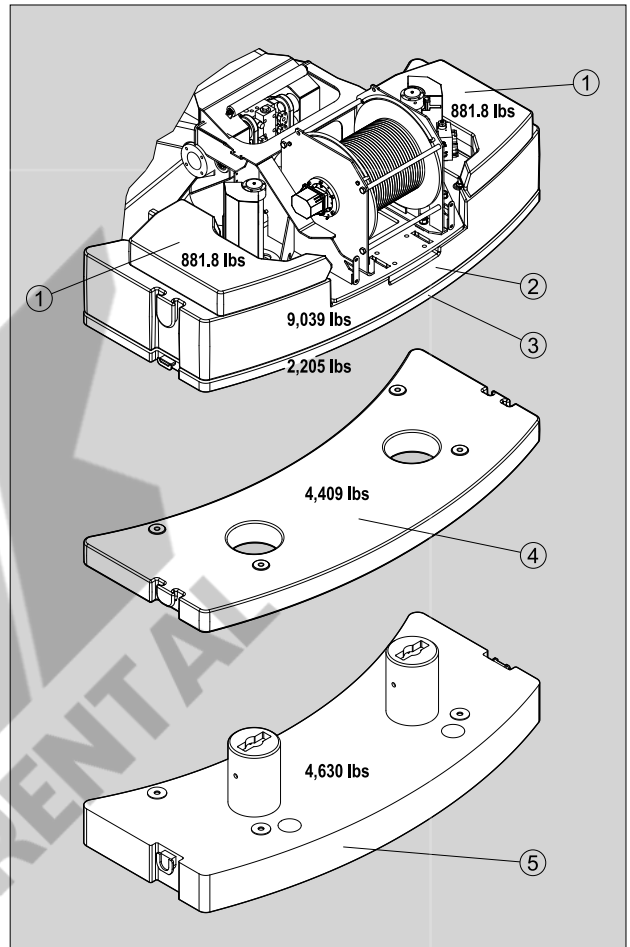
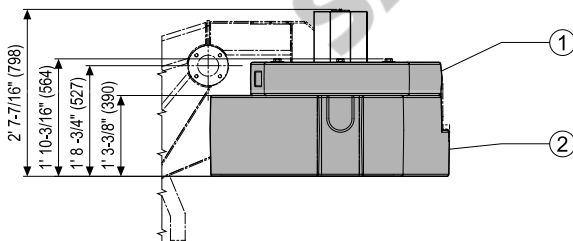
**22,046 lbs**

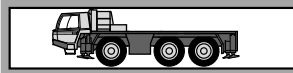


**15,432 lbs**



**10,803 lbs**





**Frame** Torsion resistant, welded construction made from high strength, fine-grained steel.

**Outriggers** 4 point, telescopic hydraulic outriggers with controls on both sides of carrier and in superstructure cab. Outrigger base 20' 8-1/16" (6.3 m) {14' 1-5/4" (4.3 m) mid extension} x 23' 7-7/16" (7.2 m).

**Carrier engine** Mercedes-Benz 6 cylinder model OM 926 LA (Euromot III B), water-cooled diesel engine. Rated at 326 hp (240 kW) at 2,200 rpm. Torque 958.83 ft-lbs (1300 Nm / 132.5 kpm) at 1,300 - 1,600 rpm. Engine rating according to 80 / 1269 / EWG. Fuel tank 92.46 gal (350 l). AdBlue-tank 10.57 gal (40 l).

**Transmission** ZF-AS-Tronic 12 AS 2302 mechanical transmission with electro-pneumatically operated dry-type clutch and automatic gear shifting with 12 forward gears and 2 reverse gears. Power / Economy mode.

**Drive** 6 x 6

#### Axles

1<sup>st</sup> axle: steered, driven.  
2<sup>nd</sup> axle: steered, driven, with longitudinal differential lock.  
3<sup>rd</sup> axle: steered, driven.  
All driven axles with transverse differential locks.

**Suspension** Hydro-pneumatic with levelling adjustment.

**Brake system** Service brakes: dual circuit compressed air system with ABS. Parking brake: spring loaded type acting on 2<sup>st</sup> and 3<sup>rd</sup> axles. Auxiliary brakes: engine exhaust brake and constant throttle engine brake system.

**Tyres** (6) 385/95 R 25 (14.00 R 25), width 8' 4-3/8" (2.55 m).

**Steering system** ZF Servocom dual circuit hydraulic steering, mechanical hydraulically-assisted steering of 1<sup>st</sup> axle and 3<sup>rd</sup> axle up to a travel speed of 15.5 mph (25 km/h), emergency steering pump. Steering of all axles possible. All axles steered hydrostatically from superstructure cab.

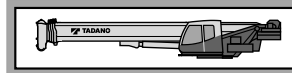
**Carrier cab** Two man full width cab of composite (steel sheet metal and fibre-glass) structure, with safety glass, air-cushioned adjustable seats (driver seat with heater) and engine dependent hot-water heater, radio-CD-player, complete controls and instrumentation for road travel. Speed control.

**Electrical system** 24 volt DC system, 2 batteries. Electrical system conforms with EEC regulations.

#### Optional Equipment (at extra charge)

Towing attachment, eddy current retarder brake, engine independent additional heater with engine pre-heat, air conditioning, 445/95 R 25 (16.00 R 25) tyres, spare wheel and tyre, central lubricating system, special painting and lettering.

Further optional equipment available upon request.



**Frame** Torsion-resistant, all-welded structure of high strength steel. Connected to carrier by single-row ball-bearing slewing ring with external gearing for 360° continuous rotation.

**Hydraulic system** Three circuit diesel hydraulic system with 1 double axial piston pump (hydraulically adjustable) and 1 gear pump, oil cooler. Pumps driven by carrier engine rated at 277 hp (204 kW) at 1,500 rpm (DIN 6270B).

**Controls** Hydraulic, 2 joy-stick levers for simultaneous operation of crane motions.

**Telescopic boom** 5 sections, made of high tensile, fine-grained steel, consisting of 1 base section and 4 telescoping sections extended by means with two single telescopic cylinders and ropes. All telescope sections extendable under partial load. 32' 9-11/16" (10.0 m) to 131' 2-13/16" (40.0 m) long.

**Derricking system** 1 double acting hydraulic cylinder with integral brake and holding valve.

**Main winch** Axial piston motor, winch drum with integrated planetary reduction and with hydraulically controlled spring-loaded, multiple disc brake and with integrated free rotation (no sagging of load when hoisting). Hoist cable with 'Super-Stop' easy reeving system.

**Slewing system** Axial piston motor with two-stage planetary reduction with a foot actuated service and a parking brake. Speed infinitely variable 0 - 1.9 rpm.

**Counterweight** Standard 15,432 lbs divisible, assembled and disassembled by hydraulic cylinders controlled from superstructure cab.

**Superstructure cab** Spacious panoramic cab of composite structure with safety (tinted) glass windows, tiltable cockpit with hydraulically cushioned adjustable seat, engine independent hot-water heater, radio-CD-player, complete controls and instrumentation for crane operation, on-site travelling and outriggers.

**Electrical system** 24 volt DC system, 2 batteries.

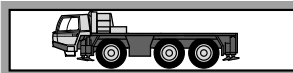
**Safety devices** Load moment device (LMD), working area display, hoist limit switch, lower limit switch, drum turn indicator, safety valves against pipe and hose rupture. Holding valves on hydraulic cylinders.

#### Optional Equipment (at extra charge)

Boom extensions 29.5' (9.0 m) to 52.5' (16.0 m), heavy duty jib 5.2' (1.6 m) additional counterweight 6,614 lbs, counterweight variations 10,803 lbs, 22,046 lbs, selection of hook blocks, air conditioning, working area limitation, additional oil cooler, central lubricating system, special painting and lettering.

Further optional equipment available upon request.





**Chasis portante** Construcción de acero de alta resistencia soldado, resistente a la torsión y a la flexión.

**Estabilizadores** Estabilizadores hidráulicos de 4 puntos. Posibilidad de manejo desde ambos lados del chasis portante y desde la cabina de la grúa. Extensión de los estabilizadores: 6,3 m (y 4,3 m) x 7,2 m.

**Motor** Mercedes-Benz modelo OM 926 LA (Euromot III B), 6 cilindros, diesel, refrigerado por agua. Nominal 240 kW (326 CV) a 2200 min<sup>-1</sup>. Par 1300 Nm (132,5 kpm) a 1300 hasta 1600 min<sup>-1</sup>. Potencia del motor según 80/1269/EWG. Depósito de combustible de 350 l. Depósito AdBlue 40 l.

**Transmisión** Transmisión mecánica tipo ZF-AS Tronic modelo 12 AS 2302 con accionamiento electro - neumáticamente embrague en seco y cambio automático 12 marchas delanteras y 2 marchas traseras. Modo rendimiento máximo/económico.

**Tracción** 6 x 6

#### Ejes

- 1º eje: de dirección, accionado, con bloqueo diferencial transversal.
- 2º eje: de dirección, accionado, con bloqueo diferencial transversal y longitudinal.
- 3º eje: de dirección, accionado, con bloqueo diferencial transversal.

**Suspensión** Suspensión hidroneumática con regulación de nivel.

**Sistemas de frenos** Accionamiento neumático de doble circuito con sistema anti bloqueo ABS. Freno de estacionamiento del tipo muelles cargados, liberados por aire, sobre los ejes 2º y 3º. Freno continuo: Freno de motor diesel en el escape.

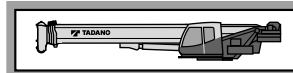
**Neumáticos** 6 x 385/95 R 25 (14.00 R 25), ancho 2,55 m.

**Dirección** Hidráulica ZF Servocom de doble circuito. Dirección mecánica del 1º eje y direccionable del 3º eje (hasta una velocidad de 25 km/h), con bomba hidráulica de emergencia accionada por la transmisión. Dirección de todos los ejes posible. Desde la cabina de la superestructura: dirección hidro-estática de ambos ejes.

**Cabina** Cabina para dos personas, en construcción de acero y fibra de vidrio. Cristales de seguridad, asiento con suspensión neumática, asiento de conductor calefactado. Calefacción por agua caliente del motor, radio-CD-player. Elementos de control y manejo para circular por carretera. Regulador de velocidad.

**Sistema eléctrico** Sistema de 24 V c.c. con 2 baterías. El sistema eléctrico cumple la normativa CEE.

**Equipo adicional** (con suplemento de precio) Embrague de remolque, freno eléctrico, calefacción adicional con precalefacción del motor, climatización, neumáticos 445/95 R 25 (16.00 R 25), rueda de repuesto, sistema de engrase central, pintura especial e rotulación. Otros equipamientos sobre pedido.



**Superestructura** Construida en aceros soldados, resistente a la torsión. Corona de giro con rodamiento de una fila de bolas con dientes externos para giro continuo de 360°.

**Sistema hidráulico** Sistema hidráulico de 3 circuitos, 1 bomba doble de pistones axiales (regulable hidráulicamente) y una bomba de ruedas dentadas, enfriador de aceite. Las bombas están accionadas desde el motor del chasis. Operación de la grúa: 204 kW (277 CV) a 1500 min<sup>-1</sup>. (DIN 6270B).

**Mandos** 2 palancas de control de tipo joy-stick para movimientos simultáneos de la grúa (4 direcciones), asistidos hidráulicamente.

**Pluma telescópica** 5 secciones, un tramo base y 4 telescópicos de acero de alta resistencia soldado con 2 cilindros telescópicos sencillos y cables, los tramos se pueden telescopar hidráulicamente bajo carga. Longitud de 10,0 m a 40,0 m.

**Elevación de pluma** Mediante un cilindro hidráulico de doble efecto con válvula de retención integrada.

**Cabrestante principal** Motor hidráulico de pistones axiales y caudal fijo. Tambor del cabrestante con reducción planetaria y frenos de disco múltiples accionado, con sistema libre de elevación. Cable de elevación con sistema fácil de guiado 'Super-Stop'.

**Sistema de giro** Motor hidráulico de pistones axiales con reducción planetaria de dos etapas. Freno de servicio controlado por pedal y freno de estacionamiento. Velocidad de giro variable de 0 - 1,9 min<sup>-1</sup>.


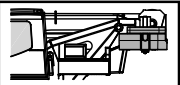
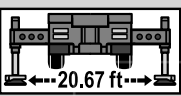
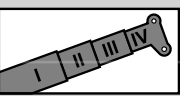

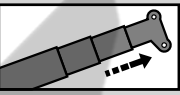
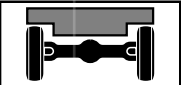
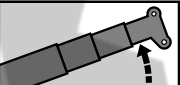



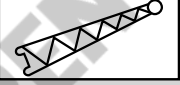

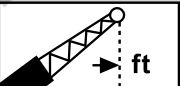


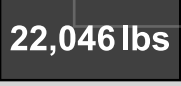


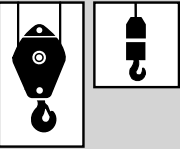
**Contrapeso** El estándar 7 t divisible, accionado desde la cabina de la grúa.

**Cabina de la grúa** Cabina espaciosa y confortable, en construcción de acero y fibra de vidrio, con cristales tintados de seguridad. Asiento de operador regulable amortiguado hidráulicamente, inclinable junto con los instrumentos y mandos, asiento calefactado. Calefacción por agua caliente independiente del motor, radio-CD-player. Elementos de control y mando para el manejo de la grúa y para el desplazamiento en obra. Mandos para nivelación y extensión de los estabilizadores.

**Sistema eléctrico** Sistema de 24 V c.c. con 2 baterías.

**Medidas de seguridad** Limitación del momento de carga (LMC), limitación del área de trabajo, interruptor de final de elevación, interruptor de 3 últimas vueltas en cabrestante, indicador de bajada o subida del cable del cabrestante, válvulas de seguridad para rotura de tubos y latiguillos. Válvulas de retención en los cilindros hidráulicos.

**Equipo adicional** (con suplemento de precio) Plumín de 9,0 m / 16,0 m, plumín de carga pesada de 1,6 m, contrapeso adicional de 3 t, variantes de contrapeso 4,9 t / 10 t, selección de ganchos, climatización, limitación del área de trabajo y limitador de giro, enfriador adicional, sistema de engrase central, pintura especial e rotulación. Otros equipamientos sobre pedido.

|   |   |  |   |
|---|---|--|---|
|    | <p>As on Page 18<br/>Véase la pagina 18</p>           |    | <p>Counterweight versions<br/>Variaciones de contrapeso</p> |
|    | <p>Outriggers<br/>Estabilizadores</p>                 |    | <p>Telescopic boom<br/>Pluma telescópica</p>                |
|    | <p>Transmission / Gear<br/>Transmisión / Marchas</p>  |    | <p>Boom telescoping<br/>Telescopaje de pluma</p>            |
|    | <p>Axle load<br/>Carga por eje</p>                    |    | <p>Derricking system<br/>Elevación de pluma</p>             |
|  <div data-bbox="251 1039 341 1102"> <p><b>385/95</b><br/>(14.00)</p> </div> | <p>Tyres / Size<br/>Neumáticos / Tamaño de ruedas</p> |  | <p>Radius<br/>Radio</p>                                     |
|    | <p>Speeds<br/>Velocidades</p>                         |  | <p>Boom extension<br/>Plumín</p>                            |
|    | <p>Gradeability<br/>Superacion de pendientes</p>      |  | <p>Radius<br/>Radio</p>                                     |
|    | <p>Slewing system<br/>Sistema de giro</p>             |  | <p>Main winch<br/>Cabrestante principal</p>                 |
|    | <p>Counterweight<br/>Contrapeso</p>                   |  | <p>Auxiliary winch<br/>2º cabrestante</p>                   |
|    | <p>Over rear<br/>Sobre la parte trasera</p>           |  | <p>Hook block / Swivel hook<br/>Gancho / Gancho de bola</p> |



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