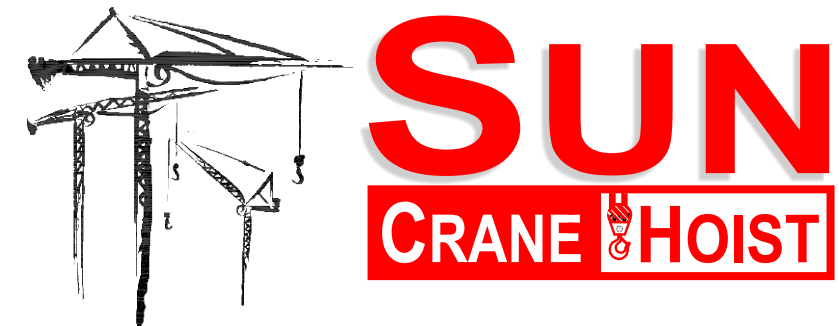


SUN STT 293-18



Turnkey Solutions \* Parts and Service \* Training and Safety \* Transportation



SUN STT 293-18

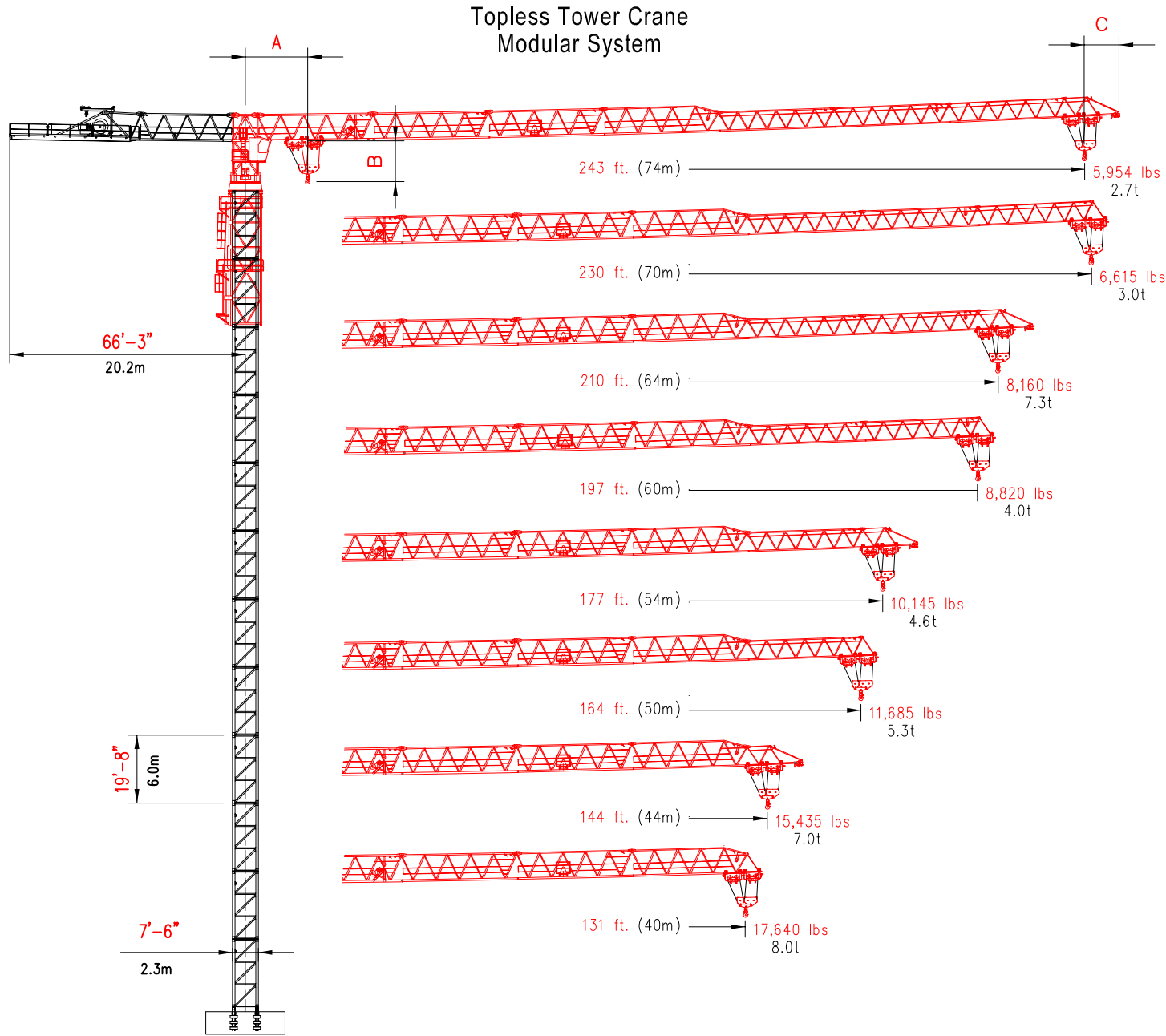
Topless Tower Crane



2214 Hwy 1187 - BLDG 1  
Mansfield, TX. 76063  
Office : 817.225.1090 \* Fax : 817.225.1035  
Website : [www.suncraneandhoist.com](http://www.suncraneandhoist.com)



SUN STT 293A-18



Note: Specification sheet intended for information only\*

A = Centerline crane to minimum 2-part hook radius 11'-6" (3.5m)

B = Bottom of jib to hook block 11'-10" (3.6m)

C = Add for jib tip radius 6'-7" (2.0m)

SUN STT 293A-18

LINE SPEEDS AND POWER REQUIREMENTS

| Hoist Unit    |
|---------------|
| 100 hp (75kW) |

| 2 - Part Line    | Line Speed               | Capacity          |
|------------------|--------------------------|-------------------|
| 19,850 lbs<br>9t | 131.2 ft/min<br>40 m/min | 19,850 lbs<br>9t  |
|                  | 315 ft/min<br>96 m/min   | 9,922 lbs<br>4.5t |
|                  | 525 ft/min<br>160 m/min  | 19,850 lbs<br>9t  |

| 4 - Part Line     | Line Speed             | Capacity          |
|-------------------|------------------------|-------------------|
| 39,690 lbs<br>18t | 66 ft/min<br>20 m/min  | 39,690 lbs<br>18t |
|                   | 158 ft/min<br>48 m/min | 19,845 lbs<br>9t  |
|                   | 263 ft/min<br>80 m/min | 9,922 lbs<br>4.5t |

| Unit      | Horsepower   | Kilowatts  | Speed                              |
|-----------|--------------|------------|------------------------------------|
| Trolley   | 10           | 7.5        | 0 - 226.4 ft/min<br>0 - 69 m/min   |
| Swing     | 2 x 107ft-lb | 2 x 145 Nm | 0 - 0.8 rpm                        |
| Traveling | 6 x 4.6      | 6 x 3.4    | 52.5 - 105 ft/min<br>16 - 32 m/min |

| Power Requirements                            |
|-----------------------------------------------|
| 480 volts, 60 cycle, 3 phase: 300 amp service |

Additional Equipment and Services Available

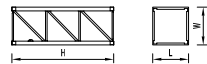
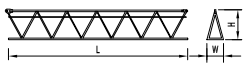
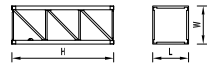
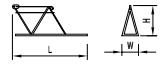
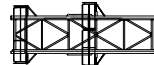
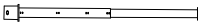
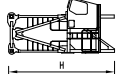
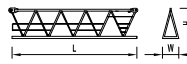
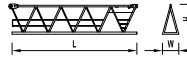
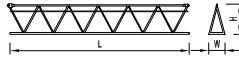
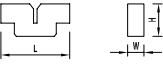
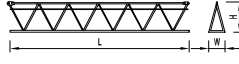
- Peiner Tower Cranes
- Sun Tower Cranes
- Hercules Elevators
- Timberland Derricks
- Specialized Rigging
- Technical Services
- Third Party Inspections
- Parts and Repair Services
- Erection and Dismantlement Services

\*Due to product improvement specifications are subject to change without notice.

EQUIPMENT RENTALS - SALES - 24 HOUR SERVICE - YARD STORAGE & TRANSFERS - NATIONWIDE SERVICE

2214 FM 1187, Suite 1  
Mansfield, TX 76063  
O 817.225.1090  
F 817.225.1095  
WWW.SUNCRANEANDHOIST.COM

Crane Component List

| DESCRIPTION                                                                                                | DIMENSION<br>L x W x H                       | WEIGHT                  | DESCRIPTION                                                                                                  | DIMENSION<br>L x W x H                       | WEIGHT                  |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------|-------------------------|
| Mast<br>H205B             | 7'6" x 7'6" x 19'8"<br>2.3m x 2.3m x 6.0m    | 10,170 lbs<br>4,853 kg  | Jib Section<br>⑦ LJ09      | 33'4" x 4'7" x 5'7"<br>10.2m x 1.4m x 1.7m   | 2,112 lbs<br>958 kg     |
| Mast<br>H205A             | 7'8" x 7'8" x 19'8"<br>2.3m x 2.3m x 6.0m    | 14,396 lbs<br>6,530 kg  | Jib Section<br>⑧ LJ11     | 13'6" x 4'7" x 5'8"<br>4.1m x 1.4m x 1.7m    | 695 lbs<br>315 kg       |
| Telescoping<br>Cage       | 14'7" x 26'5" x 39'1"<br>4.5m x 8.1m x 11.9m | 30,200 lbs<br>13,698 kg | Jib Tip                   | 2'4" x 4'7" x 2'0"<br>0.7m x 1.4m x 0.6m     | 243 lbs<br>110 kg       |
| Complete<br>Slewing Unit  | 8'2" x 8'2" x 7'4"<br>2.50m x 2.50m x 2.25m  | 22,000 lbs<br>9,979 kg  | Tie Bar                    | 5'6" x 4'7" x 0'5"<br>1.7m x 1.4m x 0.1m     | 66 lbs<br>30 kg         |
| Cathead                   | 11'7" x 9'6" x 17'7"<br>3.1m x 2.9m x 5.37m  | 9,393 lbs<br>4,261 kg   | Jib Assembly for 242.8 ft (74 m) jib<br>①②③④⑤⑥⑦⑧ + Tip                                                       | 242'10" x 4'7" x 8'2"<br>74m x 1.4m x 2.5m   | 48,510 lbs<br>22,004 kg |
| Counter-weight deck       | 38' x 11'9" x 9'5"<br>11.6m x 3.6m x 2.9m    | 28,000 lbs<br>12,700 kg | Jib Assembly for 229.7 ft (70 m) jib<br>①②③④⑤⑥⑦ + Tip                                                        | 229'8" x 4'7" x 8'2"<br>70m x 1.4m x 2.5m    | 47,815 lbs<br>21,689 kg |
| Counter-jib               | 27'5" x 5'7" x 8'1"<br>8.4m x 1.7m x 2.5m    | 6,615 lbs<br>3,000 kg   | Jib Assembly for 210ft (64m) jib<br>①②③④⑤⑥⑧ + Tip                                                            | 210' x 4'7" x 8'2"<br>64m x 1.4m x 2.5m      | 46,398 lbs<br>21,046 kg |
| Hook Block                | 5'9" x 1'1" x 5'9"<br>1.8m x 0.3m x 1.7m     | 1,224 lbs<br>555 kg     | Jib Assembly for 196.9ft (64m) jib<br>①②③④⑤⑥ + Tip                                                           | 196'10" x 4'7" x 8'2"<br>60m x 1.4m x 2.5m   | 45,703 lbs<br>20,731 kg |
| Jib Trolley             | 11'4" x 6'1" x 4'1"<br>3.5m x 1.9m x 1.2m    | 1,568 lbs<br>711 kg     | Jib Assembly for 177.2ft (54m) jib<br>①②③④⑤⑧ + Tip                                                           | 177'2" x 4'7" x 8'2"<br>54m x 1.4m x 2.5m    | 43,663 lbs<br>19,805 kg |
| Jib Section<br>① LJ03   | 34'0" x 4'7" x 8'2"<br>10.4m x 1.4m x 2.5m   | 8,950 lbs<br>4,060 kg   | Jib Assembly for 164ft (50m) jib<br>①②③④⑤ + Tip                                                              | 164' x 4'7" x 8'2"<br>50m x 1.4m x 2.48m     | 42,969 lbs<br>19,490 kg |
| Jib Section<br>② LJ04   | 33'9" x 4'7" x 8'0"<br>10.3m x 1.4m x 2.4m   | 7,130 lbs<br>3,234 kg   | Jib Assembly for 144.4ft (44m) jib<br>①②③④⑧ + Tip                                                            | 144'4" x 4'7" x 8'2"<br>44m x 1.4m x 2.48m   | 40,087 lbs<br>18,183 kg |
| Jib Section<br>③ LJ05   | 33'8" x 4'7" x 7'10"<br>10.3m x 1.4m x 2.4m  | 5,733 lbs<br>2,600 kg   | Jib Assembly for 131.2ft (40m) jib<br>①②③④ + Tip                                                             | 131'2" x 4'7" x 8'2"<br>40m x 1.4m x 2.48m   | 39,392 lbs<br>17,868 kg |
| Jib Section<br>④ LJ06   | 33'7" x 4'7" x 7'8"<br>10.2m x 1.4m x 2.4m   | 4,630 lbs<br>2,100 kg   | Counter-Jib<br>Block A  | 8'2" x 1'3" x 7'5"<br>2.48m x 0.38m x 2.27m  | 8,820 lbs<br>4,000 kg   |
| Jib Section<br>⑤ LJ07   | 33'6" x 4'7" x 5'9"<br>10.2m x 1.4m x 1.8m   | 3,576 lbs<br>1,622 kg   | Counter-Jib<br>Block B  | 8'2" x 1'3" x 3'10"<br>2.48m x 0.38m x 1.17m | 4,410 lbs<br>2,000 kg   |
| Jib Section<br>⑥ LJ08   | 33'4" x 4'7" x 5'8"<br>10.2m x 1.4m x 1.7m   | 2,734 lbs<br>1,240 kg   | Counter-Jib<br>Block C  | 7'1" x 1'3" x 2'4"<br>2.15m x 0.38m x 0.71m  | 2,205 lbs<br>1,000 kg   |

NOTE: Weights and dimensions are approximate. Weigh components before lifting.

1. Jib assembly doesn't include trolley, pulley support and load block
2. Counter-jib include hoist winch, handrails, platforms and tie bars
3. Turntable complete doesn't include platform and operator cabin
4. Cathead includes cabin, rails, platform and ladder
5. Telescoping cage doesn't include platform and ladder

Radius and Capacities

| Radius and capacity (feet and pounds) |                      | 2-Part-Line |        |        |        |        |        |       |       |       |       |
|---------------------------------------|----------------------|-------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
|                                       |                      | ft          |        |        |        |        |        |       |       |       |       |
| Hook                                  |                      | 98          | 112    | 131    | 144    | 164    | 177    | 197   | 210   | 230   | 243   |
| Radius                                |                      |             |        |        |        |        |        |       |       |       |       |
|                                       |                      | lbs         |        |        |        |        |        |       |       |       |       |
| 243ft                                 | 19,845 lbs – 85'–0"  | 16,890      | 14,685 | 12,238 | 10,981 | 9,481  | 8,666  | 7,673 | 7,100 | 6,372 | 5,954 |
| 230ft                                 | 19,845 lbs – 88'–0"  | 17,464      | 15,192 | 12,679 | 11,378 | 9,834  | 8,996  | 7,960 | 7,365 | 6,615 |       |
| 210ft                                 | 19,845 lbs – 96'–0"  | 19,404      | 16,714 | 13,958 | 12,546 | 10,849 | 9,945  | 8,798 | 8,159 |       |       |
| 197ft                                 | 19,845 lbs – 96'–0"  | 19,404      | 17,331 | 13,980 | 12,568 | 10,871 | 9,967  | 8,820 |       |       |       |
| 177ft                                 | 19,845 lbs – 97'–0"  | 19,624      | 17,045 | 14,222 | 12,789 | 11,069 | 10,140 |       |       |       |       |
| 164ft                                 | 19,845 lbs – 102'–0" | 19,845      | 17,949 | 14,994 | 13,495 | 11,690 |        |       |       |       |       |
| 144ft                                 | 19,845 lbs – 115'–0" | 19,845      | 19,845 | 17,155 | 15,435 |        |        |       |       |       |       |
| 131ft                                 | 19,845 lbs – 118'–0" | 19,845      | 19,845 | 17,640 |        |        |        |       |       |       |       |

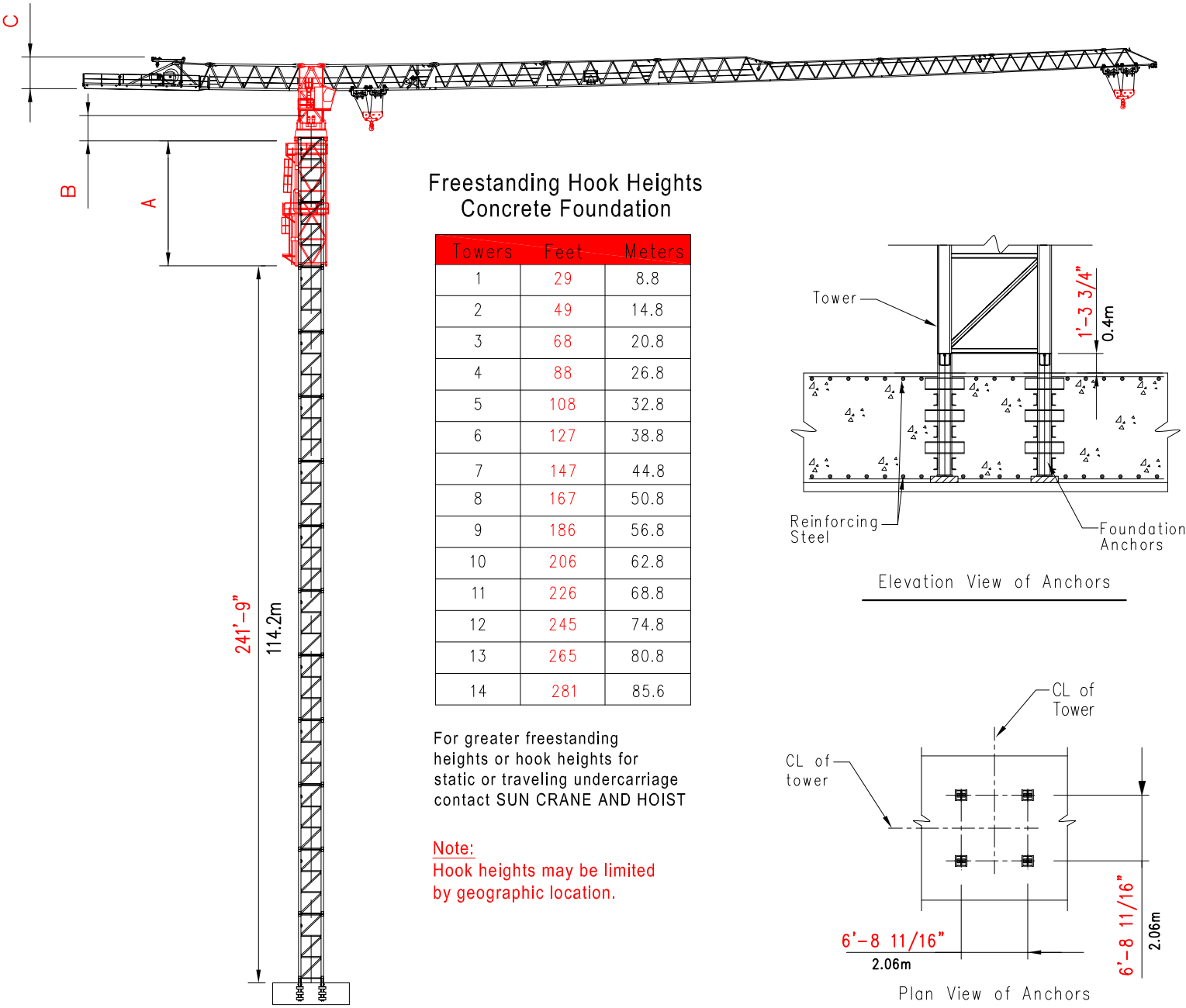
| Radius and capacity (feet and pounds) |                     | 4-Part-Line |        |        |        |        |       |       |       |       |       |
|---------------------------------------|---------------------|-------------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
|                                       |                     | ft          |        |        |        |        |       |       |       |       |       |
| Hook                                  |                     | 98          | 112    | 131    | 144    | 164    | 177   | 197   | 210   | 230   | 243   |
| Radius                                |                     |             |        |        |        |        |       |       |       |       |       |
|                                       |                     | lbs         |        |        |        |        |       |       |       |       |       |
| 243ft                                 | 39,690 lbs – 47'–0" | 15,470      | 13,583 | 11,135 | 9,878  | 8,379  | 7,563 | 6,571 | 5998  | 5,270 | 4,851 |
| 230ft                                 | 39,690 lbs – 48'–0" | 16,361      | 14,090 | 11,576 | 10,275 | 8,732  | 7,894 | 6,858 | 6,262 | 5,513 |       |
| 210ft                                 | 39,690 lbs – 52'–0" | 18,301      | 15,611 | 12,855 | 11,444 | 9,746  | 8,842 | 7,695 | 7,060 |       |       |
| 197ft                                 | 39,690 lbs – 51'–0" | 18,301      | 16,229 | 12,877 | 11,466 | 9,768  | 8,864 | 7,718 |       |       |       |
| 177ft                                 | 39,690 lbs – 52'–0" | 18,522      | 15,942 | 13,120 | 11,686 | 9,967  | 9,041 |       |       |       |       |
| 164ft                                 | 39,690 lbs – 54'–0" | 18,963      | 16,846 | 13,892 | 12,392 | 10,584 |       |       |       |       |       |
| 144ft                                 | 39,690 lbs – 60'–0" | 22,271      | 19,294 | 16,052 | 14,333 |        |       |       |       |       |       |
| 131ft                                 | 39,690 lbs – 61'–0" | 22,822      | 19,845 | 16,538 |        |        |       |       |       |       |       |

| Radius and capacity (meters and tons) |          | 2-Part-Line |      |      |      |      |      |      |      |      |      |
|---------------------------------------|----------|-------------|------|------|------|------|------|------|------|------|------|
|                                       |          | m           |      |      |      |      |      |      |      |      |      |
| Hook                                  |          | 30          | 34   | 40   | 44   | 50   | 54   | 60   | 64   | 70   | 74   |
| Radius                                |          |             |      |      |      |      |      |      |      |      |      |
|                                       |          | t           |      |      |      |      |      |      |      |      |      |
| 74m                                   | 9t – 26m | 7.66        | 6.66 | 5.55 | 4.98 | 4.30 | 3.93 | 3.48 | 3.22 | 2.89 | 2.70 |
| 70m                                   | 9t – 27m | 7.92        | 6.89 | 5.75 | 5.16 | 4.46 | 4.08 | 3.61 | 3.34 | 3.00 |      |
| 64m                                   | 9t – 29m | 8.80        | 7.58 | 6.33 | 5.69 | 4.92 | 4.51 | 3.99 | 3.70 |      |      |
| 60m                                   | 9t – 29m | 8.80        | 7.86 | 6.34 | 5.70 | 4.93 | 4.52 | 4.00 |      |      |      |
| 54m                                   | 9t – 30m | 8.90        | 7.73 | 6.45 | 5.80 | 5.02 | 4.60 |      |      |      |      |
| 50m                                   | 9t – 31m | 9.00        | 8.14 | 6.80 | 6.12 | 5.30 |      |      |      |      |      |
| 44m                                   | 9t – 35m | 9.00        | 9.00 | 7.78 | 7.00 |      |      |      |      |      |      |
| 40m                                   | 9t – 36m | 9.00        | 9.00 | 8.00 |      |      |      |      |      |      |      |

| Radius and capacity (meters and tons) |             | 4-Part-Line |     |     |     |     |     |     |     |     |     |
|---------------------------------------|-------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                                       |             | m           |     |     |     |     |     |     |     |     |     |
| Hook                                  |             | 30          | 34  | 40  | 44  | 50  | 54  | 60  | 64  | 70  | 74  |
| Radius                                |             |             |     |     |     |     |     |     |     |     |     |
|                                       |             | t           |     |     |     |     |     |     |     |     |     |
| 74m                                   | 18t – 14.3m | 7.0         | 6.2 | 5.1 | 4.5 | 3.8 | 3.4 | 3.0 | 2.7 | 2.4 | 2.2 |
| 70m                                   | 18t – 14.6m | 7.4         | 6.4 | 5.3 | 4.7 | 4.0 | 3.6 | 3.1 | 2.8 | 2.5 |     |
| 64m                                   | 18t – 15.7m | 8.3         | 7.1 | 5.8 | 5.2 | 4.4 | 4.0 | 3.5 | 3.2 |     |     |
| 60m                                   | 18t – 15.6m | 8.3         | 7.4 | 5.8 | 5.2 | 4.4 | 4.0 | 3.5 |     |     |     |
| 54m                                   | 18t – 15.7m | 8.4         | 7.2 | 6.0 | 5.3 | 4.5 | 4.1 |     |     |     |     |
| 50m                                   | 18t – 16.3m | 8.6         | 7.6 | 6.3 | 5.6 | 4.8 |     |     |     |     |     |
| 44m                                   | 18t – 18.2m | 10.1        | 8.8 | 7.3 | 6.5 |     |     |     |     |     |     |
| 40m                                   | 18t – 18.5m | 10.4        | 9.0 | 7.5 |     |     |     |     |     |     |     |



Hook Heights / Freestanding



A = Height of telescoping unit 39'-1" (11.9m)  
B = Height of of complete slewing unit 7'-4" (2.25m)  
C = Height of jib section 9'-5" (2.88m)

Climbing / Tie-in Assembly

