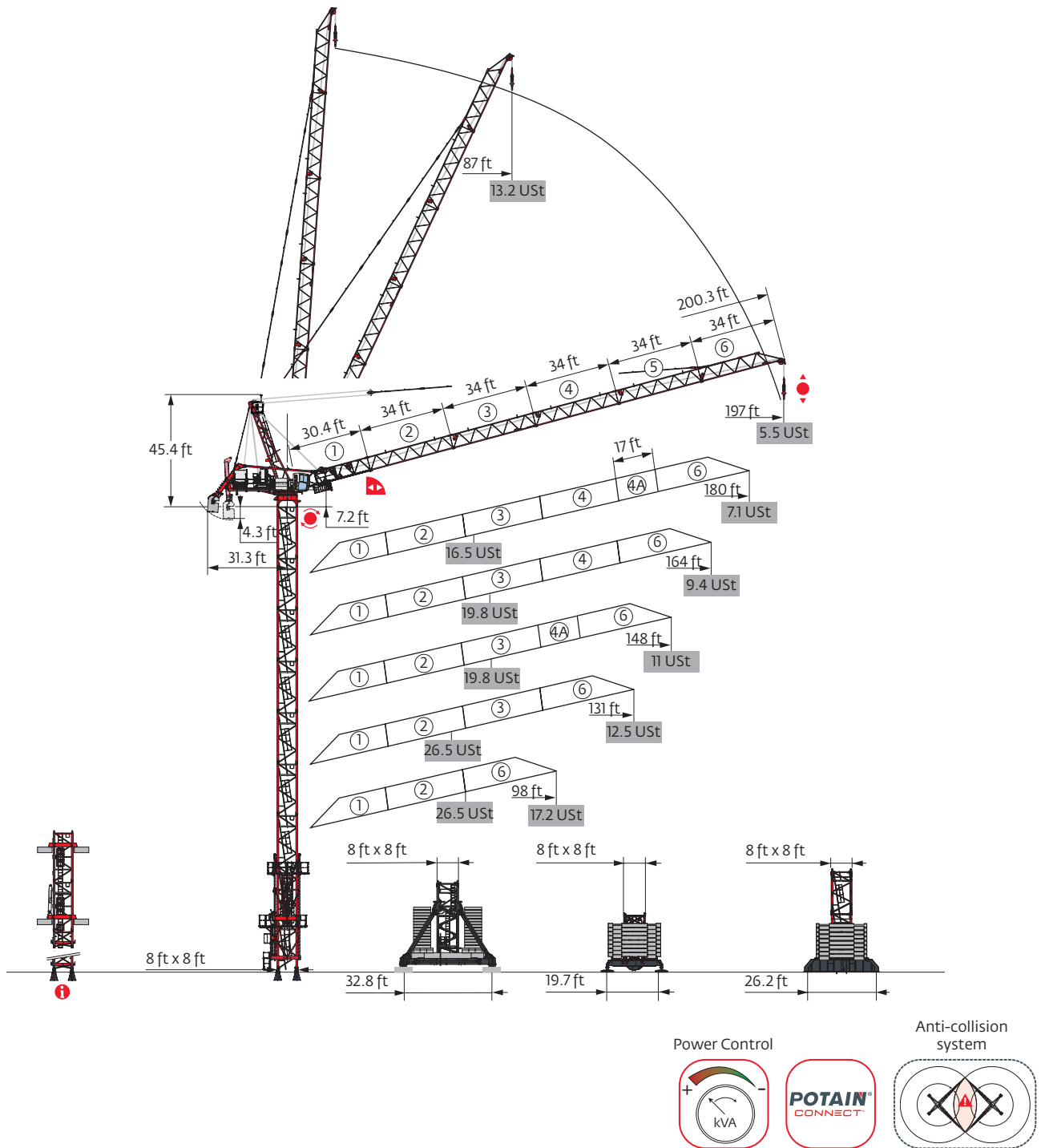


## MR 418 A

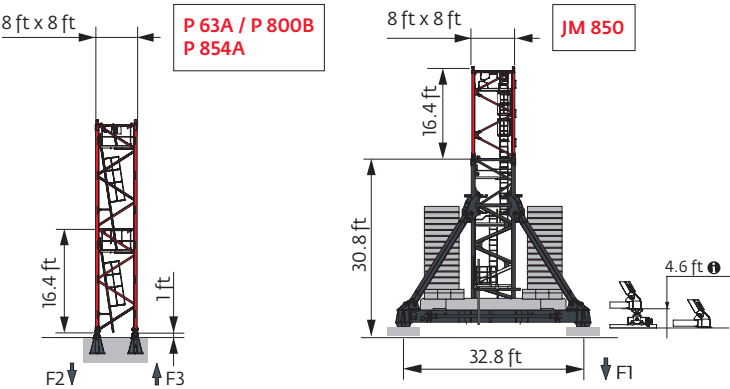


Mast - Reactions

| 8 ft - P 800B |         |       |       |       |     |     |     |
|---------------|---------|-------|-------|-------|-----|-----|-----|
| ΔΔΔ (ft)      | 98      | 131   | 148   | 164   | 180 | 197 |     |
| ⤴ (ft)        | 226.4   | 215.2 | 204.4 | 204.4 | 188 | 188 |     |
| ⤴             | 10.9 ft | 2     | 1     | 0     | 0   | 0   | 0   |
|               | 16.4 ft | 12    | 12    | 12    | 11  | 11  |     |
| F2 (Ust)      | ●       | 251   | 245   | 260   | 251 | 251 | 246 |
|               | ■       | 418   | 415   | 410   | 415 | 410 | 415 |
| F3 (Ust)      | ●       | 155   | 148   | 168   | 167 | 171 | 163 |
|               | ■       | 335   | 332   | 328   | 330 | 330 | 332 |

| 8 ft - P 854A |         |     |       |       |       |       |     |
|---------------|---------|-----|-------|-------|-------|-------|-----|
| ΔΔΔ (ft)      | 98      | 131 | 148   | 164   | 180   | 197   |     |
| ⤴ (ft)        | 280.8   | 270 | 253.6 | 253.6 | 237.2 | 237.2 |     |
| ⤴             | 10.9 ft | 1   | 0     | 0     | 0     | 0     | 0   |
|               | 16.4 ft | 16  | 16    | 15    | 15    | 14    | 14  |
| F2 (Ust)      | ●       | 314 | 312   | 310   | 298   | 297   | 292 |
|               | ■       | 624 | 620   | 592   | 601   | 589   | 591 |
| F3 (Ust)      | ●       | 204 | 202   | 207   | 201   | 207   | 199 |
|               | ■       | 527 | 524   | 499   | 505   | 499   | 498 |

| 8 ft - JM 850 - ⤴ |         |       |       |       |       |       |     |
|-------------------|---------|-------|-------|-------|-------|-------|-----|
| ΔΔΔ (ft)          | 98      | 131   | 148   | 164   | 180   | 197   |     |
| ⤴ (ft)            | 283.5   | 277.9 | 267.1 | 267.1 | 250.7 | 250.7 |     |
| ⤴                 | 10.9 ft | 0     | 1     | 0     | 0     | 0     | 0   |
|                   | 16.4 ft | 15    | 14    | 14    | 14    | 13    | 13  |
| F1 (Ust)          | ●       | 178   | 183   | 185   | 179   | 177   | 177 |
|                   | ■       | 244   | 255   | 252   | 254   | 252   | 253 |



Note: When "ASCE" is noted in this data sheet it is referring to 115 mph Wind Zone, Exposure B, Design Wind Speed = 98 mph. See back cover for design wind speed calculations.

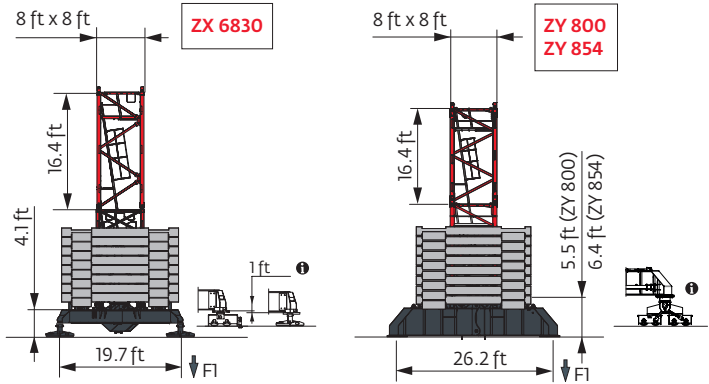
Other mast compositions - Please consult us.

Motorized accesses: adapted mast composition, base ballast and reactions.

| 8 ft - ZX 6830 -  |       |       |       |       |       |       |
|----------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|
| ΔΔΔΔ (ft)                                                                                          | 98    | 131   | 148   | 164   | 180   | 197   |
| ⤴ (ft)                                                                                             | 169.3 | 158.1 | 152.9 | 152.9 | 136.5 | 136.5 |
| 10.9 ft                                                                                            | 1     | 0     | 1     | 1     | 1     | 1     |
| 16.4 ft                                                                                            | 9     | 9     | 8     | 8     | 7     | 7     |
| FI (USt)                                                                                           | ● 142 | 138   | 150   | 146   | 146   | 146   |
|                                                                                                    | ■ 147 | 145   | 156   | 159   | 160   | 162   |

| 8 ft - ZY 800 -  |       |     |       |       |       |       |
|---------------------------------------------------------------------------------------------------|-------|-----|-------|-------|-------|-------|
| ΔΔΔΔ (ft)                                                                                         | 98    | 131 | 148   | 164   | 180   | 197   |
| ⤴ (ft)                                                                                            | 219.8 | 209 | 197.8 | 197.8 | 181.4 | 181.4 |
| 10.9 ft                                                                                           | 1     | 0   | 2     | 2     | 2     | 2     |
| 16.4 ft                                                                                           | 12    | 12  | 10    | 10    | 9     | 9     |
| FI (USt)                                                                                          | ● 154 | 153 | 155   | 153   | 147   | 147   |
|                                                                                                   | ■ 197 | 196 | 195   | 202   | 197   | 198   |

| 8 ft - ZY 854 -  |       |       |       |       |       |       |
|---------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|
| ΔΔΔΔ (ft)                                                                                         | 98    | 131   | 148   | 164   | 180   | 197   |
| ⤴ (ft)                                                                                            | 253.6 | 242.5 | 231.6 | 231.6 | 215.2 | 215.2 |
| 10.9 ft                                                                                           | 1     | 0     | 2     | 2     | 2     | 2     |
| 16.4 ft                                                                                           | 14    | 14    | 12    | 12    | 11    | 11    |
| FI (USt)                                                                                          | ● 194 | 193   | 191   | 189   | 181   | 181   |
|                                                                                                   | ■ 264 | 263   | 262   | 268   | 261   | 263   |



Anchorage



## Base ballast

|  (USt) /  8 ft - JM 850 -  |       |       |       |       |       |       |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|--|
|  (ft)                                                                                                                                                                                        | 98    | 131   | 148   | 164   | 180   | 197   |  |
| 283.5                                                                                                                                                                                                                                                                         | 224.9 |       |       |       |       |       |  |
| 277.9                                                                                                                                                                                                                                                                         | 211.6 | 238.1 |       |       |       |       |  |
| 267.1                                                                                                                                                                                                                                                                         | 185.2 | 211.6 | 238.1 | 238.1 |       |       |  |
| 250.7                                                                                                                                                                                                                                                                         | 145.5 | 172   | 198.4 | 198.4 | 238.1 | 238.1 |  |
| 234.3                                                                                                                                                                                                                                                                         | 119.1 | 132.3 | 158.7 | 158.7 | 198.4 | 198.4 |  |
| 217.9                                                                                                                                                                                                                                                                         | 79.4  | 105.8 | 132.3 | 119.1 | 172   | 158.7 |  |
| 201.4                                                                                                                                                                                                                                                                         | 52.9  | 79.4  | 92.6  | 92.6  | 132.3 | 132.3 |  |
| 185                                                                                                                                                                                                                                                                           | 52.9  | 52.9  | 66.1  | 66.1  | 105.8 | 92.6  |  |
| 168.6                                                                                                                                                                                                                                                                         | 52.9  | 52.9  | 52.9  | 52.9  | 66.1  | 66.1  |  |
| 152.2                                                                                                                                                                                                                                                                         | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |  |
| 70.2                                                                                                                                                                                                                                                                          | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |  |

|  (USt) /  8 ft - ZX 6830 -  |       |       |       |       |       |       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|--|
|  (ft)                                                                                                                                                                                          | 98    | 131   | 148   | 164   | 180   | 197   |  |
| 169.3                                                                                                                                                                                                                                                                           | 144.4 |       |       |       |       |       |  |
| 158.1                                                                                                                                                                                                                                                                           | 133.4 | 133.4 |       |       |       |       |  |
| 152.9                                                                                                                                                                                                                                                                           | 133.4 | 133.4 | 155.4 | 155.4 |       |       |  |
| 136.5                                                                                                                                                                                                                                                                           | 122.4 | 122.4 | 133.4 | 122.4 | 166.5 | 166.5 |  |
| 120.1                                                                                                                                                                                                                                                                           | 122.4 | 111.3 | 122.4 | 100.3 | 122.4 | 122.4 |  |
| 103.7                                                                                                                                                                                                                                                                           | 122.4 | 111.3 | 122.4 | 100.3 | 111.3 | 100.3 |  |
| 87.3                                                                                                                                                                                                                                                                            | 122.4 | 111.3 | 122.4 | 100.3 | 100.3 | 89.3  |  |
| 70.9                                                                                                                                                                                                                                                                            | 122.4 | 111.3 | 122.4 | 100.3 | 89.3  | 78.3  |  |

|  (USt) /  8 ft - ZY 800 -  |       |       |       |       |       |       |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|--|
|  (ft)                                                                                                                                                                                        | 98    | 131   | 148   | 164   | 180   | 197   |  |
| 219.8                                                                                                                                                                                                                                                                         | 145.5 |       |       |       |       |       |  |
| 209                                                                                                                                                                                                                                                                           | 119.1 | 145.5 |       |       |       |       |  |
| 197.8                                                                                                                                                                                                                                                                         | 105.8 | 119.1 | 158.7 | 158.7 |       |       |  |
| 181.4                                                                                                                                                                                                                                                                         | 66.1  | 92.6  | 119.1 | 119.1 | 158.7 | 158.7 |  |
| 165                                                                                                                                                                                                                                                                           | 39.7  | 66.1  | 79.4  | 79.4  | 132.3 | 119.1 |  |
| 148.6                                                                                                                                                                                                                                                                         | 39.7  | 39.7  | 52.9  | 52.9  | 92.6  | 92.6  |  |
| 132.2                                                                                                                                                                                                                                                                         | 39.7  | 39.7  | 52.9  | 39.7  | 66.1  | 52.9  |  |
| 115.8                                                                                                                                                                                                                                                                         | 39.7  | 39.7  | 52.9  | 39.7  | 39.7  | 39.7  |  |
| 99.4                                                                                                                                                                                                                                                                          | 39.7  | 39.7  | 52.9  | 39.7  | 39.7  | 26.5  |  |
| 83                                                                                                                                                                                                                                                                            | 39.7  | 39.7  | 52.9  | 39.7  | 26.5  | 13.2  |  |
| 66.6                                                                                                                                                                                                                                                                          | 39.7  | 39.7  | 52.9  | 39.7  | 26.5  | 13.2  |  |

|  (USt) /  8 ft - ZY 854 -  |       |       |       |       |       |       |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|--|
|  (ft)                                                                                                                                                                                          | 98    | 131   | 148   | 164   | 180   | 197   |  |
| 253.6                                                                                                                                                                                                                                                                           | 238.1 |       |       |       |       |       |  |
| 242.5                                                                                                                                                                                                                                                                           | 211.6 | 238.1 |       |       |       |       |  |
| 231.6                                                                                                                                                                                                                                                                           | 185.2 | 211.6 | 238.1 | 238.1 |       |       |  |
| 215.2                                                                                                                                                                                                                                                                           | 145.5 | 172   | 198.4 | 198.4 | 238.1 | 238.1 |  |
| 198.8                                                                                                                                                                                                                                                                           | 105.8 | 132.3 | 158.7 | 158.7 | 211.6 | 198.4 |  |
| 182.4                                                                                                                                                                                                                                                                           | 79.4  | 92.6  | 119.1 | 119.1 | 172   | 158.7 |  |
| 166                                                                                                                                                                                                                                                                             | 39.7  | 66.1  | 92.6  | 92.6  | 132.3 | 132.3 |  |
| 149.6                                                                                                                                                                                                                                                                           | 39.7  | 39.7  | 52.9  | 52.9  | 92.6  | 92.6  |  |
| 133.2                                                                                                                                                                                                                                                                           | 39.7  | 39.7  | 39.7  | 26.5  | 66.1  | 52.9  |  |
| 116.8                                                                                                                                                                                                                                                                           | 39.7  | 39.7  | 39.7  | 26.5  | 39.7  | 39.7  |  |
| 100.4                                                                                                                                                                                                                                                                           | 39.7  | 39.7  | 39.7  | 26.5  | 26.5  | 26.5  |  |
| 84                                                                                                                                                                                                                                                                              | 39.7  | 39.7  | 39.7  | 26.5  | 26.5  | 13.2  |  |
| 67.6                                                                                                                                                                                                                                                                            | 39.7  | 39.7  | 39.7  | 26.5  | 13.2  | 13.2  |  |

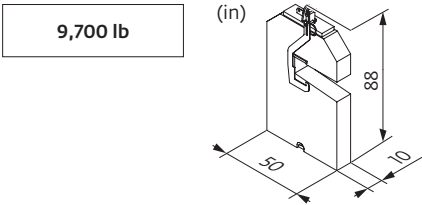
## Load curves

|  (ft) |          | 56   | 66   | 72   | 82   | 89   | 98   | 105  | 115  | 121  | 131  | 138  | 148 | 154 | 164 | 171 | 180 | 187 | 197 | ft  |
|------------------------------------------------------------------------------------------|----------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
|       | 13.2 USt |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |
| 197                                                                                      | 19 → 87  | 13.2 | 13.2 | 13.2 | 13.2 | 13   | 11.7 | 10.9 | 9.9  | 9.4  | 8.6  | 8.2  | 7.6 | 7.2 | 6.7 | 6.5 | 6.1 | 5.8 | 5.5 | USt |
| 180                                                                                      | 18 → 96  | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 12.9 | 12.1 | 11.1 | 10.5 | 9.7  | 9.3  | 8.6 | 8.3 | 7.7 | 7.5 | 7.1 |     |     |     |
| 164                                                                                      | 17 → 118 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 12.9 | 11.9 | 11.2 | 10.5 | 10  | 9.4 | USt |     |     |     |     |     |
| 148                                                                                      | 16 → 123 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 12.5 | 11.8 | 11   | USt |     |     |     |     |     |     |     |
| 131                                                                                      | 14 → 124 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 12.5 | USt  |      |     |     |     |     |     |     |     |     |
| 98                                                                                       | 12 → 98  | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | USt  |      |      |      |      |     |     |     |     |     |     |     |     |

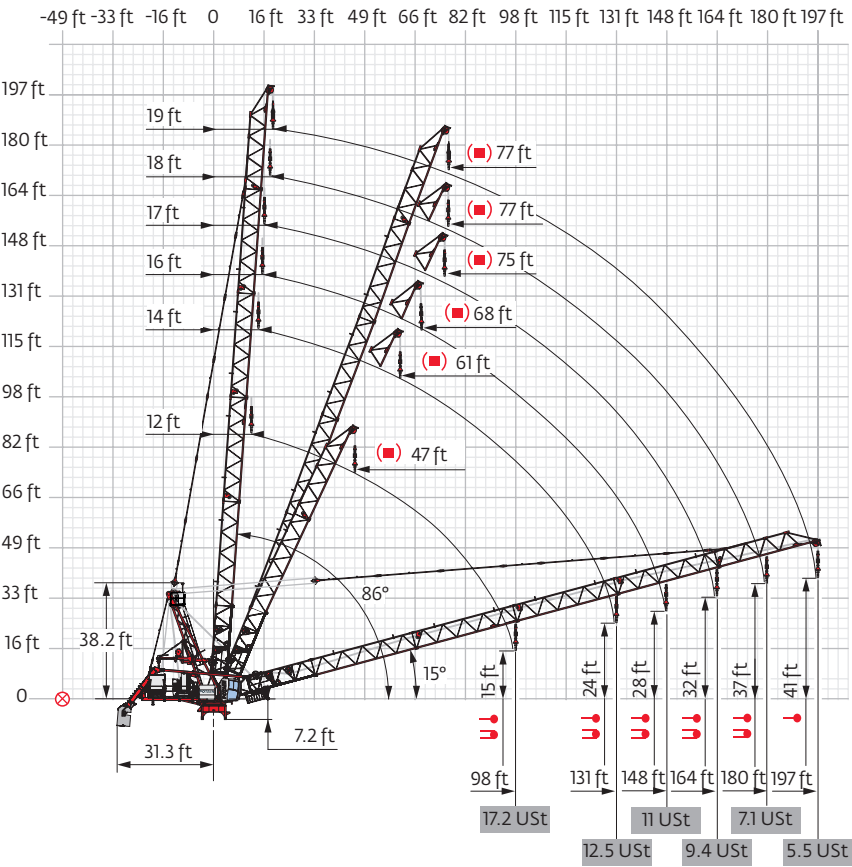
|  (ft) |          | 56   | 66   | 72   | 82   | 89   | 98   | 105  | 115  | 121  | 131  | 138  | 148  | 154 | 164 | 171 | 180 | ft  |
|------------------------------------------------------------------------------------------|----------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|
|       | 26.5 USt |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |
| 180                                                                                      | 18 → 70  | 16.5 | 16.5 | 16   | 14.1 | 13   | 11.7 | 11   | 10   | 9.5  | 8.8  | 8.4  | 7.8  | 7.5 | 7.1 | 6.7 | 6.4 | USt |
| 164                                                                                      | 17 → 77  | 19.8 | 19.8 | 19.8 | 18.7 | 17.2 | 15.3 | 14.3 | 13   | 12.2 | 11.2 | 10.6 | 9.8  | 9.4 | 8.7 | USt |     |     |
| 148                                                                                      | 16 → 77  | 19.8 | 19.8 | 19.8 | 18.6 | 17.3 | 15.5 | 14.6 | 13.3 | 12.6 | 11.7 | 11.1 | 10.4 | USt |     |     |     |     |
| 131                                                                                      | 14 → 62  | 26.5 | 24.8 | 22.5 | 19.6 | 18.1 | 16.1 | 15.1 | 13.7 | 12.9 | 11.8 | USt  |      |     |     |     |     |     |
| 98                                                                                       | 12 → 66  | 26.5 | 26.5 | 23.9 | 20.9 | 19.3 | 17.2 | USt  |      |      |      |      |      |     |     |     |     |     |

Jib weight & counter-jib ballast

|        | ▲▲▲ (lb)<br>(+/- 5%) |        | ▨<br>9,700 lb | ▲ (lb) |
|--------|----------------------|--------|---------------|--------|
|        | ●                    | ⬇      |               |        |
| 197 ft | 27,031               | -      | 9             | 87,303 |
| 180 ft | 26,605               | 27,818 | 9             | 87,303 |
| 164 ft | 24,577               | 25,790 | 9             | 87,303 |
| 148 ft | 23,772               | 24,985 | 9             | 87,303 |
| 131 ft | 21,693               | 22,906 | 8             | 77,603 |
| 98 ft  | 18,592               | 19,804 | 7             | 67,902 |

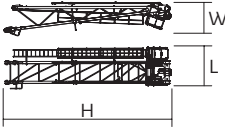
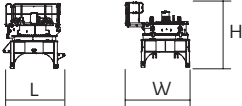
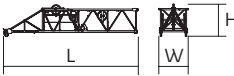
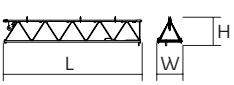
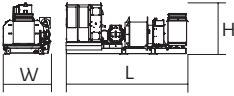
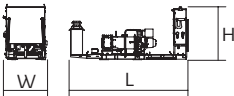
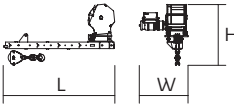
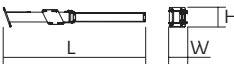
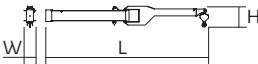
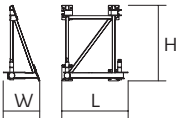


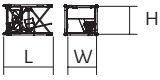
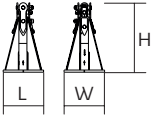
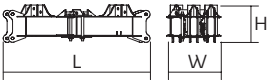
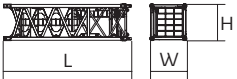
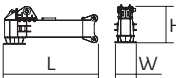
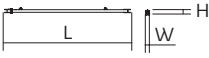
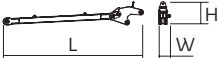
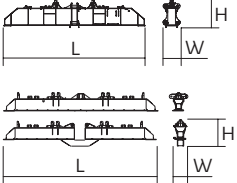
Luffing jib



## Dimensions and weight

Slewing crane part:  197 ft -  180 HPL™ x 11  
 x 10

| Slewing crane part                                       |                                                                                                          | L (ft)                               | W (ft)                          | H (ft)                          | lb<br>(+/- 5%)                            |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------|---------------------------------|-------------------------------------------|
| Counter-jib (+ Grab rail + Platform)                     |                         | 21.1                                 | 20.8                            | 6.9                             | 9,270                                     |
| Strut                                                    |                         | 9.6                                  | 7.7                             | 38.8                            | 12,670                                    |
| Cab                                                      |  Ultra View             | 14.5                                 | 6.5                             | 8.2                             | 3,616                                     |
| Towerhead                                                |  $\nabla$ 8 ft          | 10.1                                 | 10.7                            | 11.1                            | 23,082                                    |
| Jib section                                              |  ①                      | 31.6                                 | 6.9                             | 7.4                             | 6,001                                     |
| Jib section                                              |  ②<br>③<br>④<br>⑤<br>⑥ | 34.6<br>34.5<br>34.5<br>34.5<br>34.3 | 6.2<br>6.2<br>6.2<br>6.2<br>6.2 | 7.4<br>6.6<br>6.6<br>6.6<br>7.9 | 2,894<br>3,150<br>2,674<br>2,332<br>4,385 |
| Jib section                                              |  ④A                   | 17.6                                 | 6.2                             | 6.6                             | 1,577                                     |
| Pulley block                                             |  GH                   | 2.9<br>5.1                           | 1.8<br>1.5                      | 8.4<br>8.2                      | 2,601<br>1,521                            |
| Hoisting winch (+ rope)                                  |  180 HPL™<br>320 LVF  | 16.1<br>18.4                         | 7.5<br>7.1                      | 6.3<br>7.8                      | 22,630<br>31,063                          |
| Luffing winch (+ rope)                                   |  150 VVF              | 16                                   | 5.6                             | 7.1                             | 10,880                                    |
| Rear left derrick arm (+ auxiliary winch + pulley block) |                       | 7.8                                  | 3.4                             | 4.3                             | 1,356                                     |
| Front left derrick arm LWH                               |                       | 11.5                                 | 1.4                             | 1.6                             | 419                                       |
| Articulated derrick arm                                  |                       | 13.8                                 | 1                               | 1.8                             | 694                                       |
| Derrick support                                          |                       | 6.5                                  | 3.6                             | 7.4                             | 1,477                                     |

| Crane tower                                                                                                                                      |                                                                                     |                                | L (ft)                                                                                       | W (ft)                                                                           | H (ft)                                                                           | lb<br>(+/- 5%)                                                                                         |
|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| Telescopic cage T 851                                                                                                                            |    | □ 8 ft                         | 36.7                                                                                         | 15.9                                                                             | 19                                                                               | 34,723                                                                                                 |
| K 85/KR 84B2<br>KRM 849B<br>KM 850.10B<br>KM 850.14B<br>K 85/KR 84A2<br>KMT 849A<br>KRMT 849A<br>K 849A<br>KR 849A<br>KMT 850.10A<br>KMT 850.14A |    | □ 8 ft                         | 33.6<br>33.6<br>33.9<br>33.9<br>17.2<br>17.2<br>17.2<br>17.2<br>17.2<br>17.2<br>17.5<br>17.5 | 8.3<br>8.4<br>8.3<br>8.3<br>8.3<br>8.4<br>8.4<br>8.3<br>8.3<br>8.3<br>8.3<br>8.3 | 8.2<br>8.3<br>8.2<br>8.2<br>8.2<br>8.3<br>8.3<br>8.2<br>8.2<br>8.2<br>8.2<br>8.2 | 21,242<br>17,196<br>22,201<br>24,670<br>12,236<br>6,945<br>9,017<br>7,496<br>9,458<br>12,015<br>13,206 |
| KRMT 849C                                                                                                                                        |    | □ 8 ft                         | 11.7                                                                                         | 8.4                                                                              | 8.3                                                                              | 7,066                                                                                                  |
| Fixing angles                                                                                                                                    |    | P 63A / P 800B<br>P 854A       | 2.5<br>3                                                                                     | 2.5<br>3                                                                         | 4.2<br>4.9                                                                       | 1,025<br>2,072                                                                                         |
| Central cross (transport position)                                                                                                               |    | JM 850                         | 17.1                                                                                         | 5.6                                                                              | 4.9                                                                              | 14,771                                                                                                 |
| Basic mast unit                                                                                                                                  |   | JM 850                         | 28.7                                                                                         | 8.2                                                                              | 8.2                                                                              | 32,187                                                                                                 |
| Chassis girder                                                                                                                                   |  | JM 850                         | 17.1                                                                                         | 3                                                                                | 5.1                                                                              | 7,055                                                                                                  |
| Chassis ties                                                                                                                                     |  | JM 850                         | 23.6                                                                                         | 0.8                                                                              | 1.1                                                                              | 551                                                                                                    |
| Struts                                                                                                                                           |  | JM 850                         | 26.9                                                                                         | 2.5                                                                              | 4.3                                                                              | 5,071                                                                                                  |
| 1/2 Cross girder                                                                                                                                 |  | ZY800<br>ZY 854                | 18.6<br>18.7                                                                                 | 3.2<br>3.2                                                                       | 6.3<br>7.4                                                                       | 10,406<br>14,176                                                                                       |
| Cross girder                                                                                                                                     |  | ZY800<br>ZY 854<br><br>ZX 6830 | 39.2<br>39<br><br>29.9<br>29.9                                                               | 4.6<br>4.7<br><br>3.7<br>2.5                                                     | 6.3<br>7.4<br><br>3.6<br>4.9                                                     | 22,212<br>30,865<br><br>11,607<br>12,004                                                               |

Mechanisms

| 480 V - 60 Hz                                                                     |                                                                                   |     |  |     |     |     |     |  |      |      |     |     | hp      | kW      |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|-----|-----|-----|-----|-------------------------------------------------------------------------------------|------|------|-----|-----|---------|---------|-------------------------------------------------------------------------------------|
|  | 180 HPL™ 120                                                                      | fpm | 184                                                                               | 226 | 302 | 476 | 689 | 92                                                                                  | 113  | 153  | 243 | 344 | 180     | 132     | 1,811 ft                                                                            |
|                                                                                   |                                                                                   | USt | 13.2                                                                              | 9.9 | 6.6 | 3.3 | 1.7 | 26.5                                                                                | 19.8 | 13.2 | 6.6 | 3.5 |         |         |                                                                                     |
|                                                                                   | 320 LVF 120 Optima                                                                | fpm | 331                                                                               | 427 | 581 | 797 | 833 | 166                                                                                 | 213  | 312  | 400 | 417 | 320     | 240     |                                                                                     |
|                                                                                   |                                                                                   | USt | 13.2                                                                              | 9.9 | 6.6 | 4.2 | 3.3 | 26.5                                                                                | 19.8 | 13.2 | 9.9 | 8.4 |         |         |                                                                                     |
|  | 150 VVF 56                                                                        |     | 1 min 15 s                                                                        |     |     |     |     |                                                                                     |      |      |     |     | 150     | 110     |                                                                                     |
|  | RVF 162 Optima +                                                                  | rpm | 0 → 0.9                                                                           |     |     |     |     |                                                                                     |      |      |     |     | 2 x 7.5 | 2 x 5.5 |                                                                                     |
|  |  |     |                                                                                   |     |     |     |     |                                                                                     |      |      |     |     |         |         |                                                                                     |

| IEC 60204-32           | kVA                                                                   |
|------------------------|-----------------------------------------------------------------------|
| 480 V (+6% -10%) 60 Hz | 180 HPL™ + 150 VVF: 278 → 146 kVA<br>320 LVF + 150 VVF: 390 → 202 kVA |

These mast combinations meet the EN 14439 and ASME B30.3-2016 specifications for “out of service” wind conditions, provided the illustrated wind speed matches required design wind speed for the location of the tower crane. The “out of service” design wind speed was determined in accordance with ASCE 7-10, Figure 26.5-1A. The wind velocity, used for this configuration was 98 mph (158 kph), which represents a nominal design 3-second wind gust at 33 ft (10 m) above ground for Exposure B category. A factor of 0.85 was applied to the 700-year ultimate design wind speed of 115 mph (185 kph), per ASCE 37-02, with the assumption that this crane is considered a temporary structure used during a construction period of 2 years or less.

- Standard equipment

Options

Reactions in service

Reactions out of service

Jib weight

Total ballast weight
- Jib articulation axis

Weathervaning position

Lorry 44 ft

Container High Cube 40 ft, and/or Flat Rack 20 ft

Hoisting

Luffing
- Slewing

Travelling

Required power

Power Control Function: winch speeds adapted to the available power

Consult us

This commercial document is not legally binding. For any technical information, please refer to the corresponding instructions.

