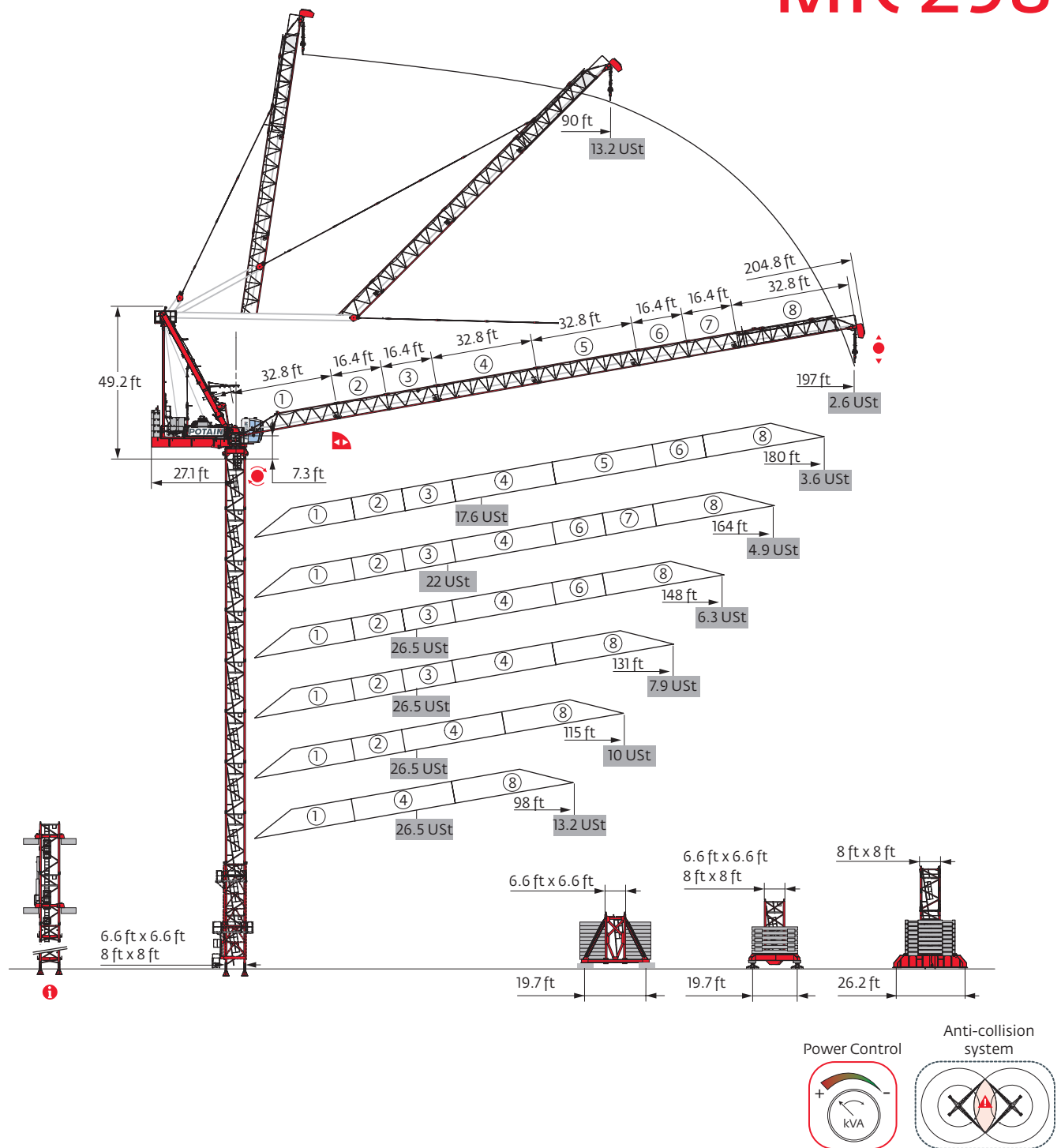


## MR 298

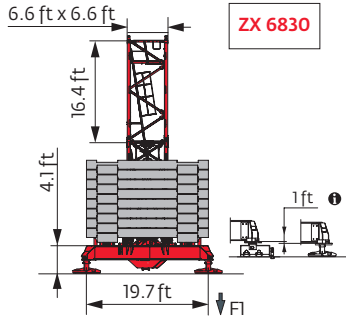
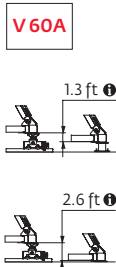
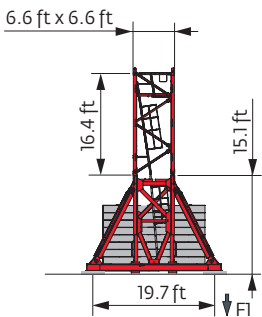
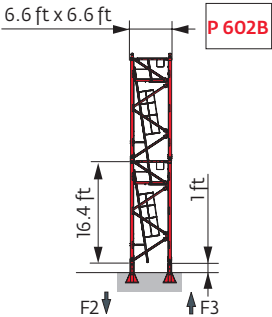


Mast - Reactions

| 6.6 ft - P 602B |       |       |       |       |       |       |       |
|-----------------|-------|-------|-------|-------|-------|-------|-------|
| Span (ft)       | 98    | 115   | 131   | 148   | 164   | 180   | 197   |
| Height (ft)     | 183.4 | 177.8 | 172.2 | 161.4 | 150.6 | 139.4 | 139.4 |
| 10.9 ft         | 1     | 2     | 0     | 2     | 1     | 0     | 0     |
| 16.4 ft         | 10    | 9     | 10    | 8     | 8     | 8     | 8     |
| F2 (Ust)        | 249   | 244   | 248   | 249   | 247   | 238   | 235   |
|                 | 326   | 346   | 360   | 357   | 355   | 349   | 362   |
| F3 (Ust)        | 179   | 177   | 183   | 184   | 183   | 178   | 176   |
|                 | 271   | 291   | 306   | 304   | 302   | 298   | 311   |

| 6.6 ft - V 60A |       |       |       |       |       |       |      |
|----------------|-------|-------|-------|-------|-------|-------|------|
| Span (ft)      | 98    | 115   | 131   | 148   | 164   | 180   | 197  |
| Height (ft)    | 164.7 | 148.3 | 137.1 | 126.3 | 115.5 | 104.3 | 99.1 |
| 10.9 ft        | 1     | 1     | 0     | 2     | 1     | 0     | 1    |
| 16.4 ft        | 8     | 7     | 7     | 5     | 5     | 5     | 4    |
| F1 (Ust)       | 132   | 126   | 126   | 126   | 125   | 122   | 119  |
|                | 138   | 132   | 132   | 131   | 130   | 128   | 127  |

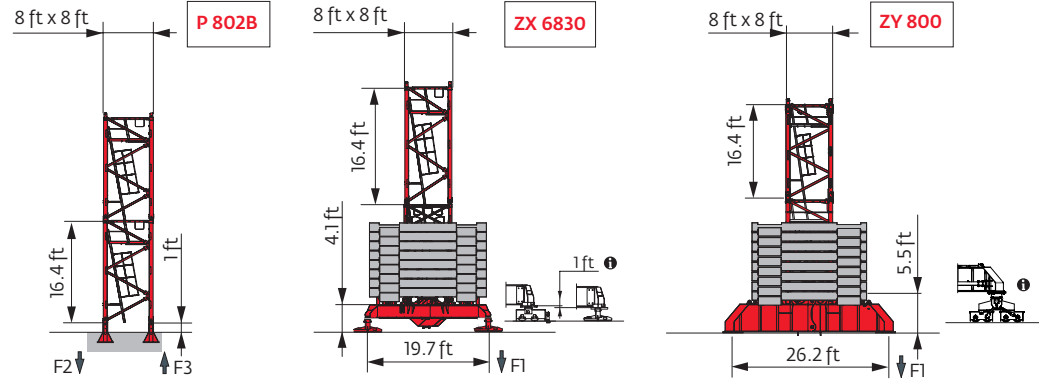
| 6.6 ft - ZX 6830 |       |       |       |     |       |       |       |
|------------------|-------|-------|-------|-----|-------|-------|-------|
| Span (ft)        | 98    | 115   | 131   | 148 | 164   | 180   | 197   |
| Height (ft)      | 180.8 | 175.5 | 159.1 | 148 | 137.1 | 126.3 | 120.7 |
| 10.9 ft          | 2     | 0     | 0     | 2   | 1     | 0     | 1     |
| 16.4 ft          | 9     | 10    | 9     | 7   | 7     | 7     | 6     |
| F1 (Ust)         | 146   | 148   | 144   | 146 | 146   | 142   | 139   |
|                  | 165   | 176   | 166   | 166 | 165   | 162   | 161   |



| 8 ft - P 802B    |       |       |       |     |       |       |     |
|------------------|-------|-------|-------|-----|-------|-------|-----|
| W (ft)           | 98    | 115   | 131   | 148 | 164   | 180   | 197 |
| $\bar{r}_s$ (ft) | 217.2 | 206.4 | 195.2 | 190 | 178.8 | 173.6 | 168 |
| 6.6 ft           | 1     | 1     | 1     | 1   | 1     | 1     | 1   |
| 10.9 ft          | 2     | 1     | 0     | 1   | 0     | 1     | 2   |
| 16.4 ft          | 11    | 11    | 11    | 10  | 10    | 9     | 8   |
| F2 (USt)         | ● 242 | 232   | 231   | 235 | 232   | 228   | 222 |
|                  | ■ 400 | 395   | 388   | 399 | 392   | 402   | 399 |
| F3 (USt)         | ● 161 | 156   | 156   | 160 | 158   | 156   | 152 |
|                  | ■ 333 | 331   | 324   | 336 | 329   | 339   | 336 |

| 8 ft - ZX 6830 -  |       |       |       |       |       |       |       |
|----------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|
| W (ft)                                                                                             | 98    | 115   | 131   | 148   | 164   | 180   | 197   |
| $\bar{r}_s$ (ft)                                                                                   | 176.5 | 160.1 | 149.3 | 138.1 | 132.9 | 121.7 | 116.5 |
| 6.6 ft                                                                                             | 1     | 1     | 1     | 1     | 1     | 1     | 1     |
| 10.9 ft                                                                                            | 1     | 1     | 0     | 2     | 0     | 2     | 0     |
| 16.4 ft                                                                                            | 9     | 8     | 8     | 6     | 7     | 5     | 6     |
| F1 (USt)                                                                                           | ● 154 | 145   | 144   | 145   | 147   | 144   | 141   |
|                                                                                                    | ■ 178 | 168   | 164   | 163   | 168   | 166   | 162   |

| 8 ft - ZY 800 -  |       |       |       |       |       |     |     |
|----------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-----|-----|
| W (ft)                                                                                             | 98    | 115   | 131   | 148   | 164   | 180 | 197 |
| $\bar{r}_s$ (ft)                                                                                   | 216.2 | 199.8 | 194.2 | 183.4 | 177.8 | 167 | 167 |
| 6.6 ft                                                                                             | 1     | 1     | 1     | 1     | 1     | 1   | 1   |
| 10.9 ft                                                                                            | 0     | 0     | 1     | 0     | 1     | 0   | 0   |
| 16.4 ft                                                                                            | 12    | 11    | 10    | 10    | 9     | 9   | 9   |
| F1 (USt)                                                                                           | ● 153 | 143   | 147   | 145   | 150   | 145 | 146 |
|                                                                                                    | ■ 199 | 188   | 195   | 190   | 197   | 190 | 197 |



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.

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

Anchorage



## Base ballast

|  (USt) /  6.6 ft - V 60A -  |       |       |       |       |       |       |       |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|--|
|  (ft)                                                                                                                                                                                         | 98    | 115   | 131   | 148   | 164   | 180   | 197   |  |
| 164.7                                                                                                                                                                                                                                                                          | 145.5 |       |       |       |       |       |       |  |
| 148.3                                                                                                                                                                                                                                                                          | 119.1 | 145.5 |       |       |       |       |       |  |
| 137.1                                                                                                                                                                                                                                                                          | 119.1 | 119.1 | 145.5 |       |       |       |       |  |
| 126.3                                                                                                                                                                                                                                                                          | 119.1 | 119.1 | 119.1 | 145.5 |       |       |       |  |
| 115.5                                                                                                                                                                                                                                                                          | 119.1 | 119.1 | 105.8 | 119.1 | 145.5 |       |       |  |
| 104.3                                                                                                                                                                                                                                                                          | 119.1 | 119.1 | 105.8 | 105.8 | 119.1 | 145.5 |       |  |
| 99.1                                                                                                                                                                                                                                                                           | 119.1 | 119.1 | 105.8 | 105.8 | 105.8 | 132.3 | 145.5 |  |
| 82.7                                                                                                                                                                                                                                                                           | 119.1 | 119.1 | 105.8 | 105.8 | 92.6  | 105.8 | 105.8 |  |

|  (USt) /  6.6 ft - ZX 6830 -  |       |       |       |       |       |       |       |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|--|
|  (ft)                                                                                                                                                                                               | 98    | 115   | 131   | 148   | 164   | 180   | 197   |  |
| 180.8                                                                                                                                                                                                                                                                                | 177.5 |       |       |       |       |       |       |  |
| 175.5                                                                                                                                                                                                                                                                                | 166.5 | 199.5 |       |       |       |       |       |  |
| 159.1                                                                                                                                                                                                                                                                                | 133.4 | 166.5 | 188.5 |       |       |       |       |  |
| 148                                                                                                                                                                                                                                                                                  | 122.4 | 133.4 | 166.5 | 199.5 |       |       |       |  |
| 137.1                                                                                                                                                                                                                                                                                | 111.3 | 111.3 | 144.4 | 166.5 | 199.5 |       |       |  |
| 126.3                                                                                                                                                                                                                                                                                | 111.3 | 111.3 | 111.3 | 144.4 | 166.5 | 199.5 |       |  |
| 120.7                                                                                                                                                                                                                                                                                | 111.3 | 111.3 | 111.3 | 133.4 | 155.4 | 177.5 | 199.5 |  |
| 104.3                                                                                                                                                                                                                                                                                | 111.3 | 111.3 | 100.3 | 100.3 | 122.4 | 144.4 | 155.4 |  |
| 87.9                                                                                                                                                                                                                                                                                 | 111.3 | 111.3 | 100.3 | 100.3 | 100.3 | 111.3 | 122.4 |  |

|  (USt) /  8 ft - ZX 6830 -  |       |       |       |       |       |       |       |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|--|
|  (ft)                                                                                                                                                                                         | 98    | 115   | 131   | 148   | 164   | 180   | 197   |  |
| 176.5                                                                                                                                                                                                                                                                          | 199.5 |       |       |       |       |       |       |  |
| 160.1                                                                                                                                                                                                                                                                          | 155.4 | 188.5 |       |       |       |       |       |  |
| 149.3                                                                                                                                                                                                                                                                          | 133.4 | 166.5 | 188.5 |       |       |       |       |  |
| 138.1                                                                                                                                                                                                                                                                          | 111.3 | 133.4 | 166.5 | 188.5 |       |       |       |  |
| 132.9                                                                                                                                                                                                                                                                          | 111.3 | 122.4 | 144.4 | 177.5 | 199.5 |       |       |  |
| 121.7                                                                                                                                                                                                                                                                          | 111.3 | 111.3 | 122.4 | 144.4 | 177.5 | 199.5 |       |  |
| 116.5                                                                                                                                                                                                                                                                          | 111.3 | 111.3 | 111.3 | 133.4 | 155.4 | 188.5 | 199.5 |  |
| 100.1                                                                                                                                                                                                                                                                          | 111.3 | 111.3 | 100.3 | 100.3 | 122.4 | 144.4 | 155.4 |  |
| 83.7                                                                                                                                                                                                                                                                           | 111.3 | 111.3 | 100.3 | 100.3 | 100.3 | 100.3 | 111.3 |  |

|  (USt) /  8 ft - ZY 800 -  |       |       |       |       |       |       |       |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|-------|-------|-------|-------|--|
|  (ft)                                                                                                                                                                                            | 98    | 115   | 131   | 148   | 164   | 180   | 197   |  |
| 216.2                                                                                                                                                                                                                                                                             | 185.2 |       |       |       |       |       |       |  |
| 199.8                                                                                                                                                                                                                                                                             | 145.5 | 172   |       |       |       |       |       |  |
| 194.2                                                                                                                                                                                                                                                                             | 145.5 | 172   | 185.2 |       |       |       |       |  |
| 183.4                                                                                                                                                                                                                                                                             | 119.1 | 145.5 | 172   | 185.2 |       |       |       |  |
| 177.8                                                                                                                                                                                                                                                                             | 105.8 | 132.3 | 158.7 | 185.2 | 198.4 |       |       |  |
| 167                                                                                                                                                                                                                                                                               | 92.6  | 119.1 | 132.3 | 158.7 | 172   | 198.4 | 211.6 |  |
| 150.6                                                                                                                                                                                                                                                                             | 52.9  | 79.4  | 105.8 | 119.1 | 145.5 | 158.7 | 172   |  |
| 134.2                                                                                                                                                                                                                                                                             | 39.7  | 52.9  | 79.4  | 92.6  | 105.8 | 132.3 | 145.5 |  |
| 117.8                                                                                                                                                                                                                                                                             | 39.7  | 52.9  | 39.7  | 66.1  | 79.4  | 105.8 | 105.8 |  |
| 101.4                                                                                                                                                                                                                                                                             | 39.7  | 52.9  | 39.7  | 39.7  | 52.9  | 66.1  | 79.4  |  |
| 85                                                                                                                                                                                                                                                                                | 39.7  | 52.9  | 39.7  | 39.7  | 39.7  | 39.7  | 52.9  |  |

## Load curves

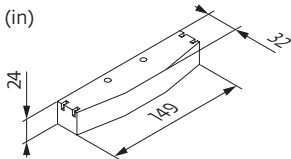
|  (ft) |           | 49   | 56   | 66   | 72   | 82   | 89   | 98   | 102 | 105  | 115 | 118 | 121 | 131 | 133 | 138 | 148 | 154 | 164 | 165 | 180 | 181 | 197 | ft  |
|------------------------------------------------------------------------------------------|-----------|------|------|------|------|------|------|------|-----|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|       | 13.2 USt  |      |      |      |      |      |      |      |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 197                                                                                      | 16 → 90   | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 11.4 | -   | 10.3 | 8.8 | -   | 7.9 | 6.8 | -   | 6.2 | 5.3 | 4.7 | 4.1 | -   | 3.1 |     | 2.6 | USt |
| 180                                                                                      | 16 → 90   | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 11.6 | -   | 10.5 | 8.9 | -   | 8.2 | 7.1 | -   | 6.4 | 5.5 | 5   | 4.3 | -   | 3.6 | 3.6 |     | USt |
| 164                                                                                      | 16 → 91.5 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 11.8 | -   | 10.7 | 9.1 | -   | 8.4 | 7.3 | -   | 6.6 | 5.6 | 5.2 | 4.9 | 4.7 |     |     |     | USt |
| 148                                                                                      | 13 → 93   | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 12.2 | -   | 11   | 9.5 | -   | 8.7 | 7.5 | -   | 6.8 | 6.3 | 6.2 |     |     |     |     |     | USt |
| 131                                                                                      | 13 → 94   | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 12.5 | -   | 11.2 | 9.7 | -   | 8.8 | 7.9 | 7.7 |     |     |     |     |     |     |     |     | USt |
| 115                                                                                      | 13 → 96   | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 12.8 | -   | 11.6 | 10  | 9.9 |     |     |     |     |     |     |     |     |     |     |     | USt |
| 98                                                                                       | 10 → 98   | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 12.6 |     |      |     |     |     |     |     |     |     |     |     |     |     |     |     | USt |

|  (ft) |          | 49   | 56   | 66   | 72   | 82   | 89   | 98   | 102  | 105  | 115 | 118 | 121 | 131 | 133 | 138 | 148 | 149 | 154 | 164 | 165 | 180 | 181 | ft  |
|------------------------------------------------------------------------------------------|----------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|       | 26.5 USt |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
| 180                                                                                      | 16 → 71  | 17.6 | 17.6 | 17.6 | 17.3 | 14.3 | 12.7 | 10.7 | -    | 9.5  | 8   | -   | 7.3 | 6.2 | -   | 5.5 | 4.6 | -   | 4.1 | 3.4 | -   | 2.9 | 2.9 | USt |
| 164                                                                                      | 16 → 61  | 22   | 22   | 20   | 17.4 | 14.3 | 12.8 | 10.7 | -    | 9.6  | 8.2 | -   | 7.3 | 6.2 | -   | 5.5 | 5.3 | -   | 4.7 | 4   | 3.9 |     |     | USt |
| 148                                                                                      | 13 → 54  | 26.5 | 25.4 | 20.4 | 17.9 | 14.8 | 13.1 | 11.1 | -    | 9.9  | 8.5 | -   | 8.3 | 7.2 | -   | 6.4 | 5.4 | 5.3 |     |     |     |     |     | USt |
| 131                                                                                      | 13 → 55  | 26.5 | 25.7 | 20.7 | 18.2 | 15.1 | 13.4 | 11.4 | -    | 10.9 | 9.4 | -   | 8.5 | 7.2 | 6.9 |     |     |     |     |     |     |     |     | USt |
| 115                                                                                      | 13 → 55  | 26.5 | 26   | 20.9 | 18.4 | 15.3 | 13.7 | 12.3 | -    | 11.1 | 9.5 | 9   |     |     |     |     |     |     |     |     |     |     |     | USt |
| 98                                                                                       | 10 → 55  | 26.5 | 26   | 21.1 | 18.5 | 15.5 | 14.4 | 12.2 | 11.6 |      |     |     |     |     |     |     |     |     |     |     |     |     |     | USt |

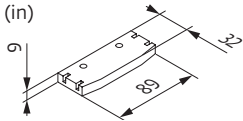
Jib weight & counter-jib ballast

|        |  (lb)<br>(+/- 5%) | 180 HPL™  |          |                                                                                        |
|--------|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|----------|----------------------------------------------------------------------------------------|
|        |                                                                                                    | 8,708 lb                                                                                   | 2,205 lb |  (lb) |
| 197 ft | 20,988                                                                                             | 4                                                                                          | 1        | 37,038                                                                                 |
| 180 ft | 19,709                                                                                             | 4                                                                                          | 1        | 37,038                                                                                 |
| 164 ft | 18,508                                                                                             | 4                                                                                          | 1        | 37,038                                                                                 |
| 148 ft | 17,196                                                                                             | 4                                                                                          | 0        | 34,833                                                                                 |
| 131 ft | 15,807                                                                                             | 4                                                                                          | 0        | 34,833                                                                                 |
| 115 ft | 14,065                                                                                             | 4                                                                                          | 0        | 34,833                                                                                 |
| 98 ft  | 12,192                                                                                             | 4                                                                                          | 0        | 34,833                                                                                 |

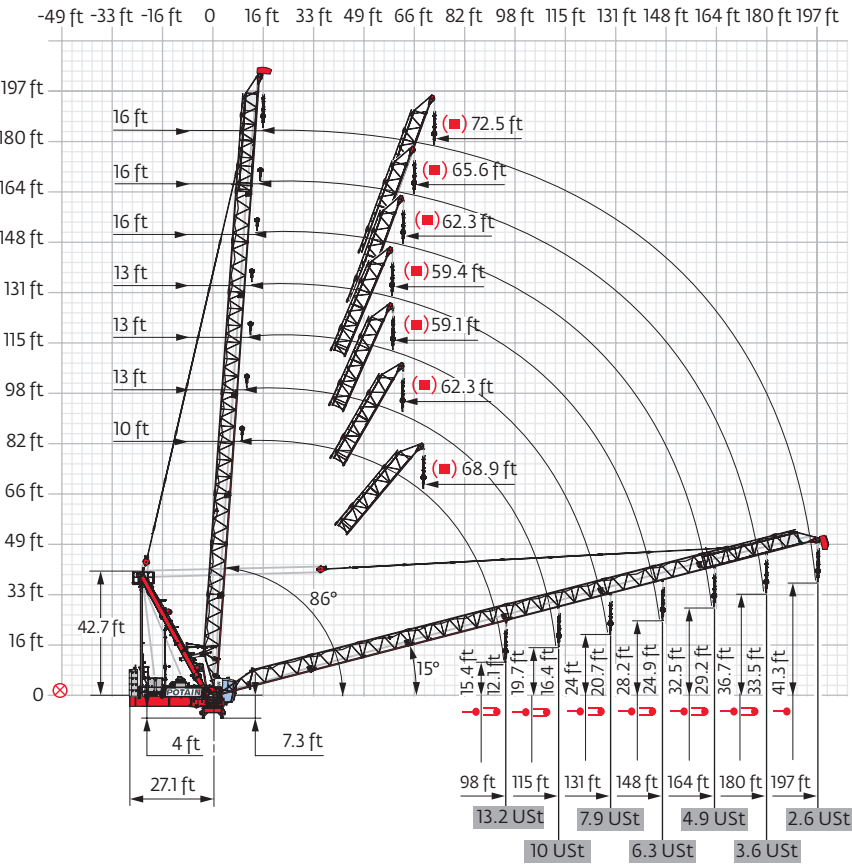
CBJ - 8,708 lb



CBK - 2,205 lb

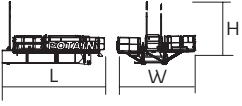
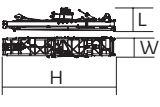
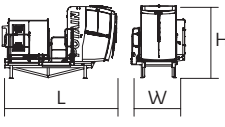
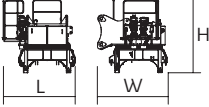
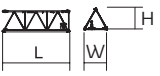
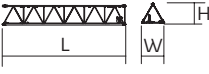
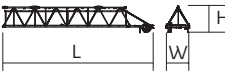
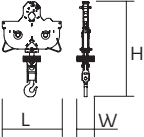
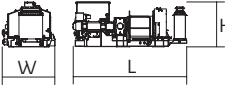
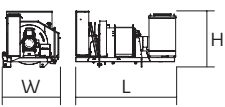


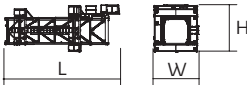
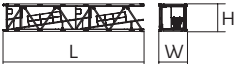
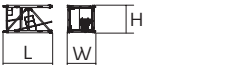
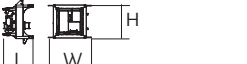
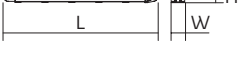
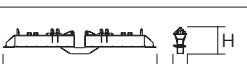
Luffing jib



## Dimensions and weight

Slewing crane part:  197 ft -  180 HPL™

| Slewing crane part      |                                                                                                      | L (ft)               | W (ft)                   | H (ft)                   | lb<br>(+/- 5%)                   |
|-------------------------|------------------------------------------------------------------------------------------------------|----------------------|--------------------------|--------------------------|----------------------------------|
| Counter-jib             |                     | 25.7                 | 19.6                     | 15.7                     | 16,887                           |
| Strut                   |                     | 8.1                  | 7.2                      | 39                       | 18,475                           |
| Cab                     |  Ultra View         | 15.1                 | 7.2                      | 9.6                      | 4,453                            |
| Towerhead               |  6.6 ft             | 10.2                 | 9.8                      | 10.2                     | 21,275                           |
| Jib section             |  ①                | 33.7                 | 6.2                      | 6.5                      | 3,990                            |
| Jib section             |  ②<br>③<br>⑥<br>⑦ | 17<br>17<br>17<br>17 | 5.9<br>5.9<br>5.9<br>5.9 | 5.5<br>5.4<br>5.4<br>5.4 | 1,499<br>1,631<br>1,135<br>1,257 |
| Jib section             |  ④<br>⑤           | 33.4<br>33.4         | 5.9<br>5.9               | 5.5<br>5.4               | 2,910<br>2,337                   |
| Jib section             |  ⑧                | 38.9                 | 6                        | 6.9                      | 3,197                            |
| Pulley block            |                   | 5.1                  | 1.5                      | 8.2                      | 2,017                            |
| Hoisting winch (+ rope) |  180 HPL™         | 16.1                 | 7.4                      | 6.3                      | 23,623                           |
| Luffing winch (+ rope)  |  100 VVF          | 10.4                 | 5.8                      | 6.2                      | 7,837                            |

| Crane tower                                                                              |                                                                                     |                                                                                      | L (ft)                                                       | W (ft)                                               | H (ft)                                               | lb<br>(+/- 5%)                                                       |
|------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------|------------------------------------------------------|------------------------------------------------------|----------------------------------------------------------------------|
| T 61<br>T 851                                                                            |    | □ 6.6 ft<br>□ 8 ft                                                                   | 35.5<br>36.7                                                 | 13.6<br>15.9                                         | 14.7<br>19                                           | 21,385<br>34,723                                                     |
| K 649B<br>KM 649E                                                                        |    | □ 6.6 ft<br>□ 6.6 ft                                                                 | 33.6<br>33.8                                                 | 6.8<br>6.7                                           | 6.7<br>6.7                                           | 11,663<br>10,692                                                     |
| K 649A<br>KMT 649A<br>KR 649A<br>KRMT 649A<br>K 849A<br>KR 849A<br>KMT 849A<br>KRMT 849A |    | □ 6.6 ft<br>□ 6.6 ft<br>□ 6.6 ft<br>□ 6.6 ft<br>□ 8 ft<br>□ 8 ft<br>□ 8 ft<br>□ 8 ft | 17.2<br>17.2<br>17.2<br>17.2<br>17.2<br>17.2<br>17.2<br>17.2 | 6.8<br>6.8<br>6.9<br>6.9<br>8.3<br>8.3<br>8.4<br>8.4 | 6.7<br>6.7<br>6.8<br>6.8<br>8.2<br>8.2<br>8.3<br>8.3 | 6,184<br>5,666<br>7,165<br>6,724<br>7,496<br>9,458<br>6,945<br>9,017 |
| K 649C<br>KMT 649C<br>KRMT 649C<br>KRMT 849C                                             |    | □ 6.6 ft<br>□ 6.6 ft<br>□ 6.6 ft<br>□ 8 ft                                           | 11.7<br>11.7<br>11.7<br>11.7                                 | 6.8<br>6.8<br>6.9<br>8.4                             | 6.7<br>6.7<br>6.8<br>8.3                             | 4,376<br>4,542<br>5,401<br>7,066                                     |
| K80/KR60-2<br>Connecting mast                                                            |    | □ 8/6.6 ft                                                                           | 7.3                                                          | 10.7                                                 | 8.1                                                  | 8,852                                                                |
| Fixing angles                                                                            |    | P 602B<br>P 802B                                                                     | 2.1<br>2.5                                                   | 2.1<br>2.5                                           | 4.2<br>4.2                                           | 761<br>1,025                                                         |
| Basic mast unit                                                                          |  | V 60A                                                                                | 16.4                                                         | 7.9                                                  | 7.9                                                  | 10,494                                                               |
| Struts                                                                                   |  | V 60A                                                                                | 14.8                                                         | 1                                                    | 1                                                    | 1,036                                                                |
| Half-bearer                                                                              |  | V 60A                                                                                | 22                                                           | 2.3                                                  | 7.6                                                  | 4,057                                                                |
| 1/2 Cross girder                                                                         |  | ZY 800                                                                               | 18.6                                                         | 3.2                                                  | 6.3                                                  | 10,406                                                               |
| Cross girder                                                                             |  | ZY 800                                                                               | 39.2                                                         | 4.6                                                  | 6.3                                                  | 22,212                                                               |
| Cross girder                                                                             |  | ZX 6830                                                                              | 29.9<br>29.9                                                 | 2.5<br>3.7                                           | 4.9<br>3.6                                           | 12,004<br>11,607                                                     |

## Mechanisms

| 480 V - 60 Hz                                                                     |                                                                                   |     |  |     |     |     |     |  |      |      |     |     | hp     | kW      |  |
|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----|-----------------------------------------------------------------------------------|-----|-----|-----|-----|-------------------------------------------------------------------------------------|------|------|-----|-----|--------|---------|-------------------------------------------------------------------------------------|
|  | 180 HPL™ 120                                                                      | fpm | 184                                                                               | 226 | 302 | 461 | 689 | 92                                                                                  | 115  | 153  | 246 | 344 | 180    | 132     | 2,044 ft                                                                            |
|                                                                                   | USt                                                                               |     | 13.2                                                                              | 9.9 | 6.6 | 3.3 | 0.9 | 26.5                                                                                | 19.8 | 13.2 | 6.6 | 3.1 |        |         |                                                                                     |
|  | 100 VVF 40                                                                        |     | 1 min 40 s                                                                        |     |     |     |     |                                                                                     |      |      |     |     | 100    | 75      |                                                                                     |
|  | RVF 172 Optima+                                                                   | rpm | 0 → 0.9                                                                           |     |     |     |     |                                                                                     |      |      |     |     | 2 x 10 | 2 x 7.5 |                                                                                     |
|  |  |     |                                                                                   |     |     |     |     |                                                                                     |      |      |     |     |        |         |                                                                                     |

|                                                                                   |                     |                                                                                                   |            |
|-----------------------------------------------------------------------------------|---------------------|---------------------------------------------------------------------------------------------------|------------|
|  | <b>IEC 60204-32</b> |                | <b>kVA</b> |
| 480 V (+6% -10%) 60 Hz                                                            |                     | 243 → 171 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       |  | Jib articulation axis                             |  | Slewing                                                             |
|  | Options                  |  | Weather vaning position                           |  | Travelling                                                          |
|  | Reactions in service     |  | Lorry 44 ft                                       |  | Required power                                                      |
|  | Reactions out of service |  | Container High Cube 40 ft, and/or Flat Rack 20 ft |  | Power Control Function: winch speeds adapted to the available power |
|  | Jib weight               |  | Hoisting                                          |  | Consult us                                                          |
|  | Total ballast weight     |  | Luffing                                           |                                                                                     |                                                                     |

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

