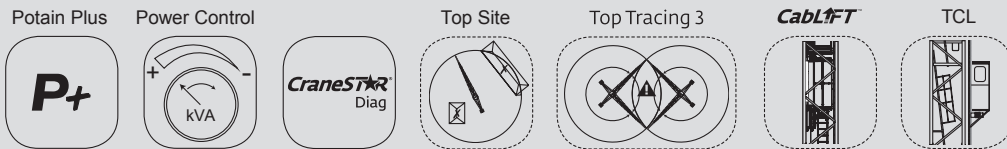




# Potain MDT 389 L16 | 17.6 t

|            |                  |              |                |              |                    |                      |             |
|------------|------------------|--------------|----------------|--------------|--------------------|----------------------|-------------|
| Fork Lifts | Access Platforms | Tower Cranes | Crawler Cranes | Truck Cranes | All Terrain Cranes | Rough Terrain Cranes | Carry Decks |
|------------|------------------|--------------|----------------|--------------|--------------------|----------------------|-------------|



## Mast - Reactions

| 6.6 ft - P 602B       |       |       |       |       |       |       |       |       |       |       |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MA (ft)               | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   | 230   | 246   |
| J (ft)                | 212.9 | 212.9 | 212.9 | 212.9 | 212.9 | 212.9 | 212.9 | 196.5 | 202.1 | 202.1 |
| J/P <sub>r</sub> (ft) | 202.1 | 196.5 | 202.1 | 202.1 | 202.1 | 202.1 | 202.1 | 196.5 | 202.1 | 202.1 |
| 10.9 ft               | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 1     | 0     | 0     |
| 16.4 ft               | 12    | 12    | 12    | 12    | 12    | 12    | 12    | 11    | 12    | 12    |
| F2 (USt)              | ● 224 | 225   | 223   | 221   | 223   | 221   | 223   | 222   | 229   | 231   |
|                       | ■ 259 | 263   | 263   | 259   | 266   | 268   | 272   | 240   | 262   | 270   |
| F3 (USt)              | ● 153 | 153   | 150   | 146   | 147   | 145   | 147   | 146   | 151   | 154   |
|                       | ■ 196 | 199   | 198   | 192   | 200   | 200   | 204   | 172   | 194   | 201   |

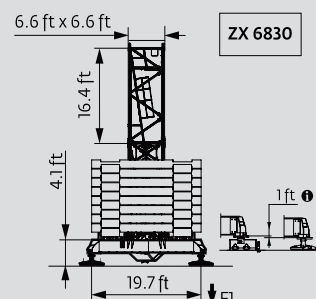
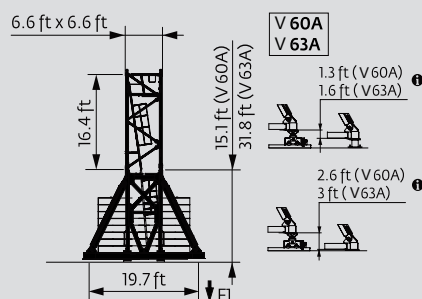
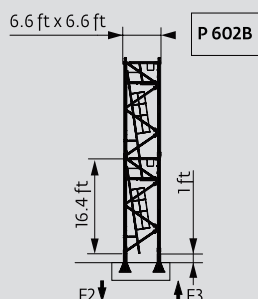
| 6.6 ft - V 63A -      |       |       |       |       |       |       |       |       |       |       |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MA (ft)               | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   | 230   | 246   |
| J (ft)                | 216.2 | 216.2 | 216.2 | 227   | 227   | 227   | 221.8 | 216.2 | 216.2 | 216.2 |
| J/P <sub>r</sub> (ft) | 199.8 | 194.2 | 199.8 | 199.8 | 199.8 | 205.4 | 199.8 | 210.6 | 210.6 | 205.4 |
| 10.9 ft               | 0     | 0     | 0     | 1     | 1     | 1     | 2     | 0     | 0     | 0     |
| 16.4 ft               | 11    | 11    | 11    | 11    | 11    | 11    | 10    | 11    | 11    | 11    |
| F1 (USt)              | ● 128 | 129   | 129   | 133   | 133   | 133   | 132   | 133   | 133   | 133   |
|                       | ■ 133 | 135   | 135   | 148   | 153   | 153   | 148   | 144   | 150   | 155   |

| 8 ft - P 802B         |       |       |       |       |       |       |       |       |       |       |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MA (ft)               | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   | 230   | 246   |
| J (ft)                | 267.7 | 267.7 | 267.7 | 262.1 | 262.1 | 262.1 | 262.1 | 251.3 | 251.3 | 251.3 |
| J/P <sub>r</sub> (ft) | 267.7 | 267.7 | 267.7 | 262.1 | 262.1 | 262.1 | 262.1 | 251.3 | 251.3 | 251.3 |
| 10.9 ft               | 0     | 0     | 0     | 1     | 1     | 1     | 1     | 0     | 0     | 0     |
| 16.4 ft               | 16    | 16    | 16    | 15    | 15    | 15    | 15    | 15    | 15    | 15    |
| F2 (USt)              | ● 249 | 251   | 249   | 244   | 245   | 242   | 243   | 240   | 242   | 244   |
|                       | ■ 399 | 403   | 403   | 388   | 394   | 396   | 399   | 371   | 379   | 385   |
| F3 (USt)              | ● 165 | 165   | 163   | 156   | 157   | 154   | 155   | 152   | 153   | 155   |
|                       | ■ 324 | 326   | 325   | 309   | 315   | 316   | 319   | 291   | 299   | 306   |

| 6.6 ft - V 60A -      |       |       |       |       |       |       |       |     |     |     |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-----|
| MA (ft)               | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213 | 230 | 246 |
| J (ft)                | 216.2 | 216.2 | 216.2 | 216.2 | 216.2 | 216.2 | 216.2 | 205 | 205 | 205 |
| J/P <sub>r</sub> (ft) | 199.8 | 194.2 | 199.8 | 199.8 | 199.8 | 205   | 199.8 | 205 | 205 | 205 |
| 10.9 ft               | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 2   | 2   | 2   |
| 16.4 ft               | 12    | 12    | 12    | 12    | 12    | 12    | 12    | 10  | 10  | 10  |
| F1 (USt)              | ● 128 | 129   | 125   | 125   | 125   | 125   | 126   | 128 | 128 | 129 |
|                       | ■ 130 | 132   | 132   | 129   | 133   | 134   | 136   | 127 | 133 | 138 |

| 6.6 ft - ZX 6830 -    |       |       |       |       |     |       |       |       |       |       |
|-----------------------|-------|-------|-------|-------|-----|-------|-------|-------|-------|-------|
| MA (ft)               | 98    | 115   | 131   | 148   | 164 | 180   | 197   | 213   | 230   | 246   |
| J (ft)                | 210.6 | 210.6 | 210.6 | 205   | 205 | 210.6 | 210.6 | 194.2 | 194.2 | 194.2 |
| J/P <sub>r</sub> (ft) | 199.5 | 194.2 | 199.5 | 199.5 | 205 | 205   | 205   | 194.2 | 194.2 | 194.2 |
| 10.9 ft               | 2     | 2     | 2     | 0     | 0   | 2     | 2     | 2     | 2     | 2     |
| 16.4 ft               | 11    | 11    | 11    | 12    | 12  | 11    | 11    | 10    | 10    | 10    |
| F1 (USt)              | ● 124 | 122   | 122   | 120   | 124 | 122   | 123   | 120   | 120   | 121   |
|                       | ■ 123 | 124   | 124   | 117   | 121 | 126   | 129   | 115   | 118   | 122   |

| 8 ft - P 851A         |       |       |       |       |       |       |       |       |       |       |
|-----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| MA (ft)               | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   | 230   | 246   |
| J (ft)                | 316.9 | 316.9 | 316.9 | 316.9 | 316.9 | 316.9 | 316.9 | 311.4 | 305.8 | 305.8 |
| J/P <sub>r</sub> (ft) | 316.9 | 316.9 | 316.9 | 316.9 | 316.9 | 316.9 | 316.9 | 311.4 | 305.8 | 305.8 |
| 10.9 ft               | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 1     | 2     | 2     |
| 16.4 ft               | 19    | 19    | 19    | 19    | 19    | 19    | 19    | 18    | 17    | 17    |
| F2 (USt)              | ● 308 | 309   | 307   | 306   | 307   | 304   | 305   | 312   | 307   | 310   |
|                       | ■ 576 | 580   | 580   | 577   | 583   | 585   | 588   | 584   | 575   | 581   |
| F3 (USt)              | ● 210 | 210   | 207   | 205   | 206   | 203   | 204   | 209   | 206   | 208   |
|                       | ■ 488 | 490   | 489   | 485   | 491   | 492   | 495   | 490   | 482   | 488   |



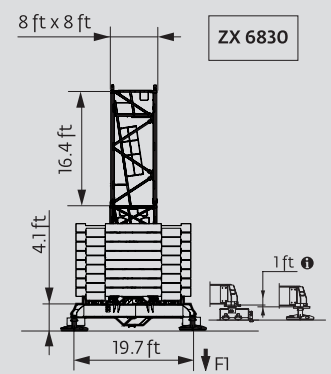
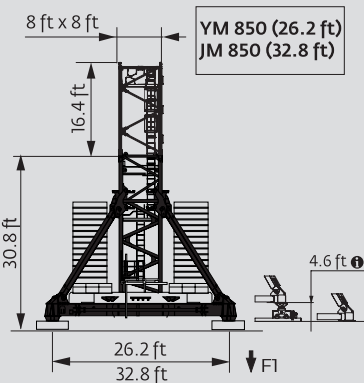
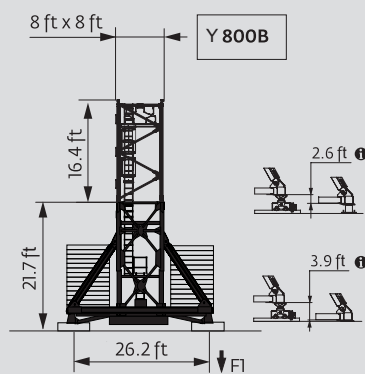
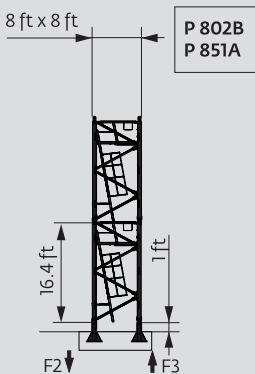


| 8 ft - Y 800B -  |         |     |     |     |     |     |     |       |       |       |
|---------------------------------------------------------------------------------------------------|---------|-----|-----|-----|-----|-----|-----|-------|-------|-------|
| ▲▲ (ft)                                                                                           | 98      | 115 | 131 | 148 | 164 | 180 | 197 | 213   | 230   | 246   |
| ⚡ (ft)                                                                                            | 272     | 272 | 272 | 272 | 272 | 272 | 272 | 260.8 | 260.8 | 260.8 |
| ⚡/P+ (ft)                                                                                         | 272     | 272 | 272 | 272 | 272 | 272 | 272 | 260.8 | 260.8 | 260.8 |
| ⚡                                                                                                 | 10.9 ft | 0   | 0   | 0   | 0   | 0   | 0   | 2     | 2     | 2     |
| ⚡                                                                                                 | 16.4 ft | 15  | 15  | 15  | 15  | 15  | 15  | 13    | 13    | 13    |
| FI (Ust)                                                                                          | ● 147   | 147 | 147 | 144 | 148 | 144 | 148 | 141   | 145   | 146   |
|                                                                                                   | ■ 198   | 200 | 200 | 197 | 201 | 201 | 203 | 194   | 199   | 202   |

| 8 ft - YM 850 -  |         |     |     |     |     |     |     |       |       |       |
|-----------------------------------------------------------------------------------------------------|---------|-----|-----|-----|-----|-----|-----|-------|-------|-------|
| ▲▲ (ft)                                                                                             | 98      | 115 | 131 | 148 | 164 | 180 | 197 | 213   | 230   | 246   |
| ⚡ (ft)                                                                                              | 314     | 314 | 314 | 314 | 314 | 314 | 314 | 308.4 | 308.4 | 302.8 |
| ⚡/P+ (ft)                                                                                           | 314     | 314 | 314 | 314 | 314 | 314 | 314 | 308.4 | 308.4 | 302.8 |
| ⚡                                                                                                   | 10.9 ft | 0   | 0   | 0   | 0   | 0   | 0   | 1     | 1     | 2     |
| ⚡                                                                                                   | 16.4 ft | 17  | 17  | 17  | 17  | 17  | 17  | 16    | 16    | 15    |
| FI (Ust)                                                                                            | ● 186   | 187 | 187 | 187 | 188 | 186 | 187 | 189   | 189   | 188   |
|                                                                                                     | ■ 274   | 276 | 275 | 273 | 277 | 278 | 279 | 276   | 280   | 277   |

| 8 ft - JM 850 -  |         |       |       |       |       |       |       |       |       |     |
|---------------------------------------------------------------------------------------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| ▲▲ (ft)                                                                                           | 98      | 115   | 131   | 148   | 164   | 180   | 197   | 213   | 230   | 246 |
| ⚡ (ft)                                                                                            | 319.2   | 319.2 | 319.2 | 319.2 | 319.2 | 319.2 | 319.2 | 319.2 | 319.2 | 314 |
| ⚡/P+ (ft)                                                                                         | 319.2   | 319.2 | 319.2 | 319.2 | 319.2 | 319.2 | 319.2 | 319.2 | 319.2 | 314 |
| ⚡                                                                                                 | 10.9 ft | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 0   |
| ⚡                                                                                                 | 16.4 ft | 16    | 16    | 16    | 16    | 16    | 16    | 16    | 16    | 17  |
| FI (Ust)                                                                                          | ● 161   | 162   | 162   | 160   | 160   | 159   | 163   | 165   | 166   | 158 |
|                                                                                                   | ■ 239   | 241   | 241   | 239   | 242   | 243   | 244   | 247   | 251   | 233 |

| 8 ft - ZX 6830 -  |         |       |       |       |       |       |     |     |       |       |
|------------------------------------------------------------------------------------------------------|---------|-------|-------|-------|-------|-------|-----|-----|-------|-------|
| ▲▲ (ft)                                                                                              | 98      | 115   | 131   | 148   | 164   | 180   | 197 | 213 | 230   | 246   |
| ⚡ (ft)                                                                                               | 232.3   | 232.3 | 232.3 | 232.3 | 232.3 | 232.3 | 227 | 227 | 221.5 | 221.5 |
| ⚡/P+ (ft)                                                                                            | 232.3   | 232.3 | 232.3 | 232.3 | 232.3 | 232.3 | 227 | 227 | 221.5 | 221.5 |
| ⚡                                                                                                    | 10.9 ft | 1     | 1     | 1     | 1     | 1     | 2   | 2   | 0     | 0     |
| ⚡                                                                                                    | 16.4 ft | 13    | 13    | 13    | 13    | 13    | 12  | 12  | 13    | 13    |
| FI (Ust)                                                                                             | ● 149   | 150   | 150   | 147   | 151   | 150   | 146 | 149 | 146   | 147   |
|                                                                                                      | ■ 188   | 190   | 190   | 186   | 191   | 192   | 186 | 191 | 183   | 188   |



**i** Motorized accesses of CabLIFT and TCL types: Adapted mast compositions, base ballast and reactions.

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.

Base ballast

| ⚙️ (Ust) / 6.6 ft - V 60A - 🏗️ |       |       |       |       |       |       |       |       |       |       |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ⚙️ (ft)                        | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   | 230   | 246   |
| 216.2                          | 132.3 | 132.3 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 |       |       |       |
| 205                            | 119.1 | 119.1 | 119.1 | 119.1 | 105.8 | 105.8 | 105.8 | 119.1 | 119.1 | 119.1 |
| 188.6                          | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 92.6  | 92.6  | 105.8 | 105.8 | 105.8 |
| 172.2                          | 105.8 | 105.8 | 105.8 | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 79.4  | 79.4  |
| 155.8                          | 105.8 | 105.8 | 92.6  | 92.6  | 92.6  | 79.4  | 79.4  | 66.1  | 66.1  | 66.1  |
| 139.4                          | 92.6  | 92.6  | 92.6  | 79.4  | 79.4  | 79.4  | 66.1  | 66.1  | 52.9  | 66.1  |
| 123                            | 92.6  | 92.6  | 92.6  | 79.4  | 79.4  | 79.4  | 66.1  | 52.9  | 52.9  | 52.9  |

| ⚙️ (Ust) / 6.6 ft - ZX 6830 - 🏗️ |       |       |       |       |       |       |       |       |       |       |
|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ⚙️ (ft)                          | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   | 230   | 246   |
| 210.6                            | 122.4 | 111.3 | 111.3 |       |       | 111.3 | 111.3 |       |       |       |
| 205                              | 111.3 | 111.3 | 111.3 | 111.3 | 111.3 | 100.3 | 100.3 |       |       |       |
| 194.2                            | 111.3 | 111.3 | 100.3 | 100.3 | 100.3 | 89.3  | 89.3  | 100.3 | 100.3 | 100.3 |
| 177.8                            | 100.3 | 100.3 | 100.3 | 100.3 | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  | 89.3  |
| 161.4                            | 100.3 | 100.3 | 89.3  | 89.3  | 89.3  | 78.3  | 78.3  | 67.2  | 67.2  | 67.2  |
| 145                              | 89.3  | 89.3  | 89.3  | 78.3  | 78.3  | 78.3  | 67.2  | 56.2  | 56.2  | 56.2  |
| 128.6                            | 89.3  | 89.3  | 89.3  | 78.3  | 78.3  | 78.3  | 67.2  | 56.2  | 45.2  | 56.2  |
| 112.2                            | 89.3  | 89.3  | 89.3  | 78.3  | 78.3  | 78.3  | 67.2  | 56.2  | 45.2  | 56.2  |

| ⚙️ (Ust) / 8 ft - YM 850 - 🏗️ |       |       |       |       |       |       |       |       |       |       |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ⚙️ (ft)                       | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   | 230   | 246   |
| 314                           | 238.1 | 238.1 | 238.1 | 238.1 | 238.1 | 238.1 | 238.1 |       |       |       |
| 308.4                         | 238.1 | 238.1 | 224.9 | 224.9 | 224.9 | 224.9 | 224.9 | 238.1 | 238.1 |       |
| 302.8                         | 224.9 | 224.9 | 224.9 | 211.6 | 224.9 | 211.6 | 224.9 | 224.9 | 224.9 | 238.1 |
| 286.4                         | 185.2 | 185.2 | 185.2 | 172   | 185.2 | 185.2 | 185.2 | 185.2 | 185.2 | 198.4 |
| 270                           | 158.7 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | 158.7 | 158.7 |
| 253.6                         | 119.1 | 119.1 | 119.1 | 105.8 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 132.3 |
| 237.2                         | 92.6  | 92.6  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 79.4  | 92.6  | 92.6  |
| 220.8                         | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 66.1  | 66.1  |
| 204.4                         | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |
| 188                           | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |
| 171.6                         | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |
| 155.2                         | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |
| 138.8                         | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |

| ⚙️ (Ust) / 8 ft - ZX 6830 - 🏗️ |       |       |       |       |       |       |       |       |       |       |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ⚙️ (ft)                        | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   | 230   | 246   |
| 232.3                          | 166.5 | 166.5 | 166.5 | 155.4 | 166.5 | 166.5 |       |       |       |       |
| 227                            | 155.4 | 155.4 | 155.4 | 144.4 | 155.4 | 155.4 | 155.4 | 155.4 |       |       |
| 221.5                          | 144.4 | 144.4 | 144.4 | 133.4 | 133.4 | 133.4 | 144.4 | 144.4 | 155.4 | 155.4 |
| 205.1                          | 122.4 | 122.4 | 122.4 | 122.4 | 111.3 | 111.3 | 111.3 | 122.4 | 122.4 | 122.4 |
| 188.7                          | 111.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 89.3  | 100.3 | 100.3 | 100.3 |
| 172.2                          | 89.3  | 89.3  | 89.3  | 78.3  | 78.3  | 78.3  | 78.3  | 89.3  | 89.3  | 78.3  |
| 155.8                          | 89.3  | 89.3  | 89.3  | 78.3  | 78.3  | 78.3  | 67.2  | 67.2  | 67.2  | 67.2  |
| 139.4                          | 89.3  | 89.3  | 89.3  | 78.3  | 78.3  | 78.3  | 67.2  | 56.2  | 45.2  | 56.2  |

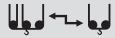
| ⚙️ (Ust) / 6.6 ft - V 63A - 🏗️ |       |       |       |       |       |       |       |       |       |       |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ⚙️ (ft)                        | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   | 230   | 246   |
| 227                            |       |       |       | 132.3 | 132.3 | 132.3 |       |       |       |       |
| 221.8                          |       |       |       | 132.3 | 132.3 | 132.3 | 132.3 |       |       |       |
| 216.2                          | 132.3 | 132.3 | 132.3 | 119.1 | 119.1 | 119.1 | 119.1 | 132.3 | 132.3 | 132.3 |
| 199.8                          | 119.1 | 119.1 | 119.1 | 105.8 | 105.8 | 105.8 | 105.8 | 119.1 | 119.1 | 119.1 |
| 183.4                          | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 92.6  | 92.6  | 105.8 | 92.6  | 92.6  |
| 167                            | 105.8 | 105.8 | 105.8 | 92.6  | 92.6  | 92.6  | 92.6  | 79.4  | 79.4  | 79.4  |
| 150.6                          | 92.6  | 92.6  | 92.6  | 79.4  | 79.4  | 79.4  | 79.4  | 66.1  | 66.1  | 66.1  |
| 134.2                          | 92.6  | 92.6  | 79.4  | 79.4  | 79.4  | 66.1  | 66.1  | 52.9  | 52.9  | 66.1  |
| 117.8                          | 92.6  | 92.6  | 79.4  | 79.4  | 79.4  | 66.1  | 66.1  | 52.9  | 52.9  | 52.9  |

| ⚙️ (Ust) / 8 ft - Y 800B - 🏗️ |       |       |       |       |       |       |       |       |       |       |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ⚙️ (ft)                       | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   | 230   | 246   |
| 272                           | 158.7 | 158.7 | 158.7 | 145.5 | 158.7 | 145.5 | 158.7 |       |       |       |
| 260.8                         | 145.5 | 132.3 | 132.3 | 132.3 | 132.3 | 132.3 | 132.3 | 132.3 | 145.5 | 145.5 |
| 244.4                         | 105.8 | 105.8 | 105.8 | 92.6  | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 119.1 |
| 228                           | 79.4  | 79.4  | 79.4  | 66.1  | 66.1  | 66.1  | 79.4  | 79.4  | 79.4  | 92.6  |
| 211.6                         | 52.9  | 52.9  | 52.9  | 52.9  | 39.7  | 39.7  | 39.7  | 52.9  | 52.9  | 52.9  |
| 195.2                         | 39.7  | 39.7  | 39.7  | 39.7  | 26.5  | 26.5  | 26.5  | 39.7  | 39.7  | 39.7  |
| 178.8                         | 26.5  | 26.5  | 26.5  | 26.5  | 13.2  | 13.2  | 13.2  | 26.5  | 26.5  | 26.5  |
| 162.4                         | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  |
| 146                           | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  |
| 129.6                         | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  |
| 113.2                         | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  | 13.2  |

| ⚙️ (Ust) / 8 ft - JM 850 - 🏗️ |       |       |       |       |       |       |       |       |       |       |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ⚙️ (ft)                       | 98    | 115   | 131   | 148   | 164   | 180   | 197   | 213   | 230   | 246   |
| 319.2                         | 185.2 | 185.2 | 185.2 | 172   | 172   | 172   | 185.2 | 185.2 | 185.2 |       |
| 314                           | 158.7 | 158.7 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | 158.7 | 158.7 |
| 297.6                         | 132.3 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 132.3 | 132.3 |
| 281.2                         | 105.8 | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 92.6  | 105.8 | 105.8 |
| 264.8                         | 79.4  | 66.1  | 66.1  | 66.1  | 66.1  | 66.1  | 66.1  | 66.1  | 79.4  | 79.4  |
| 248.4                         | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |
| 232                           | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |
| 215.6                         | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |
| 199.2                         | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |
| 182.7                         | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |
| 166.3                         | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |
| 149.9                         | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |
| 133.5                         | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  | 52.9  |



## Load curves



|     |          | (ft)      | 56   | 66   | 82   | 89   | 98   | 105  | 115  | 121  | 131  | 138  | 148 | 154 | 164 | 180 | 187 | 197 | 213 | 220 | 230 | 236 | 246 | ft     |
|-----|----------|-----------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
|     | 17.6 USt | 8.8 USt   |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     |        |
| 246 | 11 → 61  | 112 - 122 | 17.6 | 16.4 | 12.8 | 11.7 | 10.3 | 9.6  | 8.8  | 8.8  | 8.2  | 7.8  | 7.1 | 6.7 | 6.2 | 5.4 | 5.2 | 4.8 | 4.3 | 4.1 | 3.9 | 3.7 | 3.5 | USt    |
|     | 11 → 67  | 118 - 128 | 17.6 | 17.6 | 14.1 | 12.9 | 11.4 | 10.4 | 9.2  | 8.8  | 8.5  | 8    | 7.4 | 7   | 6.4 | 5.7 | 5.4 | 5.1 | 4.6 | 4.4 | 4.1 | 3.9 | 3.7 | USt P+ |
| 230 | 11 → 65  | 118 - 128 | 17.6 | 17.3 | 13.6 | 12.5 | 11   | 10.2 | 9.1  | 8.8  | 8.5  | 8    | 7.3 | 6.9 | 6.3 | 5.5 | 5.3 | 4.9 | 4.4 | 4.3 | 4   |     |     | USt    |
|     | 11 → 69  | 120 - 130 | 17.6 | 17.6 | 14.5 | 13.3 | 11.6 | 10.6 | 9.3  | 8.8  | 8.7  | 8.1  | 7.5 | 7.1 | 6.5 | 5.8 | 5.5 | 5.2 | 4.6 | 4.5 | 4.2 |     |     | USt P+ |
| 213 | 11 → 69  | 127 - 138 | 17.6 | 17.6 | 14.7 | 13.4 | 11.9 | 11.1 | 10   | 9.3  | 8.8  | 8.8  | 8.2 | 7.7 | 7.1 | 6.3 | 6   | 5.6 | 5.1 |     |     |     |     | USt    |
|     | 11 → 74  | 129 - 140 | 17.6 | 17.6 | 15.5 | 14.1 | 12.4 | 11.5 | 10.3 | 9.6  | 8.8  | 8.8  | 8.2 | 7.8 | 7.3 | 6.5 | 6.2 | 5.8 | 5.2 |     |     |     |     | USt P+ |
| 197 | 11 → 74  | 132 - 143 | 17.6 | 17.6 | 15.6 | 14.2 | 12.6 | 11.7 | 10.5 | 9.8  | 8.9  | 8.8  | 8.5 | 8.1 | 7.5 | 6.7 | 6.4 | 6.1 |     |     |     |     |     | USt    |
|     | 11 → 79  | 138 - 148 | 17.6 | 17.6 | 16.8 | 15.3 | 13.5 | 12.4 | 11.1 | 10.4 | 9.4  | 8.8  | 8.4 | 7.8 | 6.9 | 6.6 | 6.2 |     |     |     |     |     |     | USt P+ |
| 180 | 11 → 74  | 137 - 148 | 17.6 | 17.6 | 15.9 | 14.6 | 13   | 12   | 10.9 | 10.2 | 9.3  | 8.8  | 8.8 | 8.4 | 7.9 | 7.1 |     |     |     |     |     |     |     | USt    |
|     | 11 → 80  | 146 - 157 | 17.6 | 17.6 | 17.1 | 15.7 | 13.9 | 13   | 11.7 | 11   | 10   | 9.4  | 8.8 | 8.8 | 8.4 | 7.6 |     |     |     |     |     |     |     | USt P+ |
| 164 | 11 → 75  | 137 - 148 | 17.6 | 17.6 | 15.9 | 14.6 | 13   | 12.1 | 10.9 | 10.2 | 9.3  | 8.8  | 8.8 | 8.4 | 7.9 |     |     |     |     |     |     |     |     | USt    |
|     | 11 → 81  | 149 - 161 | 17.6 | 17.6 | 17.5 | 16.1 | 14.3 | 13.3 | 12   | 11.2 | 10.3 | 9.7  | 8.9 | 8.8 | 8.6 |     |     |     |     |     |     |     |     | USt P+ |
| 148 | 11 → 78  | 143 - 148 | 17.6 | 17.6 | 16.7 | 15.3 | 13.6 | 12.7 | 11.4 | 10.7 | 9.8  | 9.2  | 8.8 |     |     |     |     |     |     |     |     |     |     | USt    |
|     | 11 → 85  |           | 17.6 | 17.6 | 17.6 | 16.9 | 15   | 13.9 | 12.6 | 11.8 | 10.8 | 10.2 | 9.4 |     |     |     |     |     |     |     |     |     |     | USt P+ |
| 131 | 11 → 77  |           | 17.6 | 17.6 | 16.4 | 15   | 13.3 | 12.3 | 11.1 | 10.4 | 9.5  |      |     |     |     |     |     |     |     |     |     |     |     | USt    |
|     | 11 → 84  |           | 17.6 | 17.6 | 17.6 | 16.5 | 14.6 | 13.6 | 12.2 | 11.4 | 10.4 |      |     |     |     |     |     |     |     |     |     |     |     | USt P+ |
| 115 | 11 → 78  |           | 17.6 | 17.6 | 16.6 | 15.2 | 13.4 | 12.5 | 11.2 |      |      |      |     |     |     |     |     |     |     |     |     |     |     | USt    |
|     | 11 → 84  |           | 17.6 | 17.6 | 17.6 | 16.7 | 14.8 | 13.7 | 12.3 |      |      |      |     |     |     |     |     |     |     |     |     |     |     | USt P+ |
| 98  | 11 → 78  |           | 17.6 | 17.6 | 16.7 | 15.3 | 13.5 |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     | USt    |
|     | 11 → 85  |           | 17.6 | 17.6 | 17.6 | 16.8 | 14.9 |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |     | USt P+ |

$$W_{LJ} = L_J - 0.97 \text{ USt max.}$$



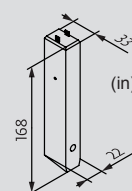
|     |          | (ft)      | 56   | 66   | 82   | 89   | 98   | 105  | 115  | 121  | 131  | 138  | 148 | 154 | 164 | 180 | 187 | 197 | 213 | 220 | 230 | 236 | 246  | ft     |
|-----|----------|-----------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------|
|     | 17.6 USt | 8.8 USt   |      |      |      |      |      |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |      |        |
| 246 | 8 → 62   | 114 - 117 | 17.6 | 16.5 | 12.9 | 11.9 | 10.5 | 9.7  | 8.8  | 8.4  | 7.7  | 7.2  | 6.6 | 6.2 | 5.7 | 4.9 | 4.7 | 4.3 | 3.8 | 3.6 | 3.3 | 3.2 | 2.95 | USt    |
|     | 8 → 68   | 120 - 122 | 17.6 | 17.6 | 14.2 | 13   | 11.5 | 10.5 | 9.3  | 8.8  | 8    | 7.5  | 6.8 | 6.5 | 5.9 | 5.2 | 4.9 | 4.6 | 4   | 3.8 | 3.6 | 3.4 | 3.2  | USt P+ |
| 230 | 8 → 65   | 119 - 122 | 17.6 | 17.5 | 13.7 | 12.6 | 11.2 | 10.4 | 9.3  | 8.8  | 8    | 7.5  | 6.8 | 6.4 | 5.8 | 5   | 4.8 | 4.4 | 3.9 | 3.8 | 3.5 |     |      | USt    |
|     | 8 → 70   | 121 - 125 | 17.6 | 17.6 | 14.7 | 13.4 | 11.7 | 10.7 | 9.5  | 8.8  | 8.1  | 7.6  | 7   | 6.6 | 6   | 5.3 | 5   | 4.7 | 4.1 | 3.9 | 3.7 |     |      | USt P+ |
| 213 | 8 → 70   | 129 - 132 | 17.6 | 17.6 | 14.8 | 13.6 | 12.1 | 11.2 | 10.1 | 9.5  | 8.8  | 8.4  | 7.7 | 7.3 | 6.7 | 5.8 | 5.5 | 5.1 | 4.6 |     |     |     |      | USt    |
|     | 8 → 74   | 131 - 134 | 17.6 | 17.6 | 15.7 | 14.3 | 12.6 | 11.6 | 10.4 | 9.7  | 8.8  | 8.5  | 7.8 | 7.4 | 6.8 | 6   | 5.7 | 5.4 | 4.8 |     |     |     |      | USt P+ |
| 197 | 8 → 74   | 134 - 138 | 17.6 | 17.6 | 15.7 | 14.4 | 12.8 | 11.8 | 10.6 | 10   | 9.1  | 8.8  | 8.1 | 7.7 | 7.1 | 6.3 | 6.1 | 5.7 |     |     |     |     |      | USt    |
|     | 8 → 79   | 140 - 143 | 17.6 | 17.6 | 16.9 | 15.5 | 13.6 | 12.6 | 11.3 | 10.5 | 9.6  | 9    | 8.5 | 8   | 7.4 | 6.5 | 6.3 | 5.8 |     |     |     |     |      | USt P+ |
| 180 | 8 → 75   | 139 - 142 | 17.6 | 17.6 | 16   | 14.7 | 13.1 | 12.2 | 11   | 10.3 | 9.5  | 8.9  | 8.5 | 8   | 7.5 |     |     |     |     |     |     |     |      | USt    |
|     | 8 → 81   | 148 - 151 | 17.6 | 17.6 | 17.3 | 15.9 | 14.1 | 13.1 | 11.8 | 11.1 | 10.1 | 9.6  | 8.8 | 8.6 | 8   | 7.2 |     |     |     |     |     |     |      | USt P+ |
| 164 | 8 → 75   | 140 - 143 | 17.6 | 17.6 | 16   | 14.8 | 13.1 | 12.2 | 11   | 10.4 | 9.5  | 8.9  | 8.5 | 8.1 | 7.5 |     |     |     |     |     |     |     |      | USt    |
|     | 8 → 82   | 151 - 151 | 17.6 | 17.6 | 17.6 | 16.2 | 14.4 | 13.4 | 12.1 | 11.4 | 10.4 | 9.8  | 9.1 | 8.7 | 8.2 |     |     |     |     |     |     |     |      | USt P+ |
| 148 | 8 → 78   | 146 - 148 | 17.6 | 17.6 | 16.8 | 15.5 | 13.8 | 12.8 | 11.6 | 10.9 | 10   | 9.4  | 8.8 |     |     |     |     |     |     |     |     |     |      | USt    |
|     | 8 → 86   |           | 17.6 | 17.6 | 17.6 | 17   | 15.2 | 14.1 | 12.8 | 12   | 10.9 | 10.3 | 9.5 |     |     |     |     |     |     |     |     |     |      | USt P+ |
| 131 | 8 → 78   |           | 17.6 | 17.6 | 16.6 | 15.2 | 13.4 | 12.5 | 11.2 | 10.5 | 9.6  |      |     |     |     |     |     |     |     |     |     |     |      | USt    |
|     | 8 → 84   |           | 17.6 | 17.6 | 17.6 | 16.7 | 14.8 | 13.7 | 12.4 | 11.6 | 10.6 |      |     |     |     |     |     |     |     |     |     |     |      | USt P+ |
| 115 | 8 → 78   |           | 17.6 | 17.6 | 16.7 | 15.3 | 13.6 | 12.6 | 11.4 |      |      |      |     |     |     |     |     |     |     |     |     |     |      | USt    |
|     | 8 → 85   |           | 17.6 | 17.6 | 17.6 | 16.9 | 14.9 | 13.9 | 12.5 |      |      |      |     |     |     |     |     |     |     |     |     |     |      | USt P+ |
| 98  | 8 → 79   |           | 17.6 | 17.6 | 16.8 | 15.4 | 13.7 |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |      | USt    |
|     | 8 → 85   |           | 17.6 | 17.6 | 17.6 | 17   | 15   |      |      |      |      |      |     |     |     |     |     |     |     |     |     |     |      | USt P+ |

$$W = W - 0.29 \text{ USt max.}$$

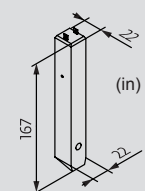
Jib weight & counter-jib ballast

|        | Jib weight (lb) (+/- 5%) |          |        | Counter-jib ballast (kg) |          |        | Counter-jib ballast (lb) |          |        |
|--------|--------------------------|----------|--------|--------------------------|----------|--------|--------------------------|----------|--------|
|        | 10,141 lb                | 3,373 lb | 57,452 | 10,141 lb                | 3,373 lb | 57,452 | 10,141 lb                | 3,373 lb | 57,452 |
| 246 ft | 39,904                   | 38,790   | 40,212 | 5                        | 2        | 57,452 | 8                        | 1        | 57,519 |
| 230 ft | 39,330                   | 38,250   | 39,639 | 5                        | 2        | 57,452 | 8                        | 1        | 57,519 |
| 213 ft | 38,471                   | 37,457   | 38,779 | 5                        | 2        | 57,452 | 8                        | 1        | 57,519 |
| 197 ft | 36,200                   | 35,252   | 36,509 | 5                        | 1        | 54,079 | 8                        | 0        | 54,146 |
| 180 ft | 36,200                   | 35,252   | 36,509 | 5                        | 1        | 54,079 | 8                        | 0        | 54,146 |
| 164 ft | 34,106                   | 33,158   | 34,414 | 5                        | 2        | 57,452 | 8                        | 1        | 57,519 |
| 148 ft | 33,775                   | 32,827   | 34,083 | 5                        | 2        | 57,452 | 8                        | 1        | 57,519 |
| 131 ft | 31,945                   | 30,997   | 32,254 | 5                        | 0        | 50,706 | 7                        | 1        | 50,750 |
| 115 ft | 30,600                   | 29,652   | 30,909 | 4                        | 2        | 47,311 | 7                        | 0        | 47,377 |
| 98 ft  | 28,770                   | 27,822   | 29,079 | 4                        | 1        | 43,938 | 6                        | 1        | 43,982 |

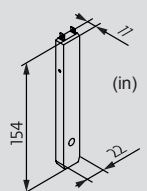
CBS - 10,141 lb



CBU - 6,768 lb



CBY - 3,373 lb

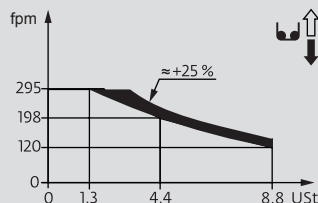


## Mechanisms

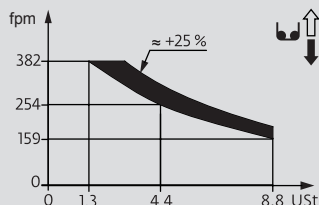
| 480 V - 60 Hz                                                                     |                   |     |  |     |     |     |  |      |     |     | hp     | kW      |  |
|-----------------------------------------------------------------------------------|-------------------|-----|-----------------------------------------------------------------------------------|-----|-----|-----|-----------------------------------------------------------------------------------|------|-----|-----|--------|---------|-------------------------------------------------------------------------------------|
|  | 75 LVF 40 Optima  | fpm | 120                                                                               | 156 | 198 | 295 | 62                                                                                | 82   | 103 | 148 | 75     | 55      | 2,090 ft                                                                            |
|                                                                                   | 100 LVF 40 Optima | USt | 8.8                                                                               | 6.6 | 4.4 | 1.3 | 17.6                                                                              | 13.2 | 8.8 | 3.5 |        |         |                                                                                     |
|  | 100 LVF 40 Optima | fpm | 159                                                                               | 200 | 254 | 382 | 84                                                                                | 105  | 133 | 192 | 100    | 75      | 3,727 ft                                                                            |
|                                                                                   |                   | USt | 8.8                                                                               | 6.6 | 4.4 | 1.3 | 17.6                                                                              | 13.2 | 8.8 | 3.9 |        |         |                                                                                     |
|  | 6 DVF 6 Optima    | fpm | 0 => 138 (17.6 USt) 0 => 276 (8.8 USt) 0 => 328 (4.4 USt)                         |     |     |     |                                                                                   |      |     |     | 5.5    | 4       |    |
|  | RVF 172 Optima+   | rpm | 0 → 1                                                                             |     |     |     |                                                                                   |      |     |     | 2 x 10 | 2 x 7.5 |                                                                                     |
|  |                   |     |                                                                                   |     |     |     |                                                                                   |      |     |     |        |         |                                                                                     |

|  IEC 60204-32 |  kVA |  |
|------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--|
| 480 V (+6% -10%) 60 Hz                                                                         | 75 LVF: 84 → 54 kVA<br>100 LVF: 104 → 64 kVA                                          |  |
|                                                                                                |    |  |

75 LVF 40 Optima



100 LVF 40 Optima



These mast combinations meet the EN 14439 and ASME B30.3-2012 specifications for "out of service" wind conditions, provided the illustrated wind speed matches required design wind 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-A. 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 50-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.

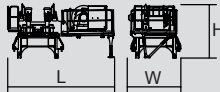
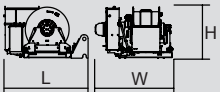
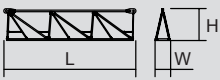
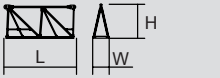
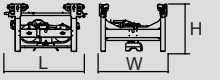
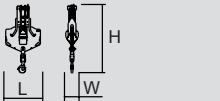
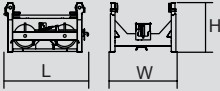
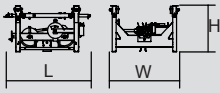
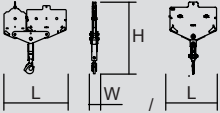
|                                                                                    |                                        |                                                                                     |                                                   |                                                                                       |                                                                     |
|------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------|
|  | Jib elevation                          |  | Total ballast weight                              |  | Travelling                                                          |
|  | Standard equipment                     |  | Jib weight                                        |  | Required power                                                      |
|  | Options                                |  | Lorry 44 ft                                       |  | Power Control Function: winch speeds adapted to the available power |
|  | Potain Plus function: Plus load curves |  | Container High Cube 40 ft, and/or Flat Rack 20 ft |  | Consult us                                                          |
|  | Hook heights with Plus load curves     |  | Hoisting                                          |                                                                                       |                                                                     |
|  | Reactions in service                   |  | Trolleying                                        |                                                                                       |                                                                     |
|  | Reactions out of service               |  | Slewing                                           |                                                                                       |                                                                     |

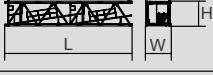
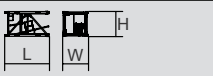
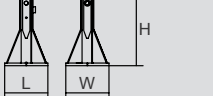
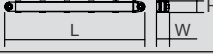
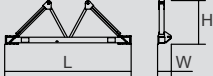
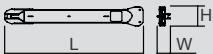
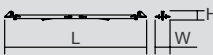
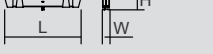
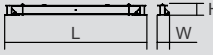
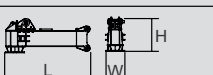
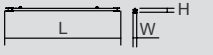
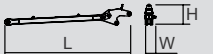
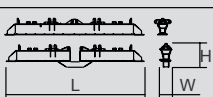


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## Component weights

Slewing crane part:  246 ft -  -  75 LVF


| Slewing crane part          |                                                                                     |                                                                                                                                                                                                       | L (ft)                               | W (ft)                          | H (ft)                        | lb<br>(+/- 5%)                            |
|-----------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------|-------------------------------|-------------------------------------------|
| Counter-jib                 |    | Ⓐ<br>Ⓑ<br>Ⓒ                                                                                                                                                                                           | 39.4<br>39.4<br>39.4                 | 4.1<br>4.1<br>4.1               | 8.2<br>8.2<br>8.2             | 31,107<br>29,983<br>25,441                |
| Cab mast + cab              |    | Ultra View                                                                                                                                                                                            | 16.5                                 | 7.3                             | 8.2                           | 14,815                                    |
| Towerhead + 75 LVF (+ rope) |    | 6.6 ft<br>8 ft                                                                                                                                                                                        | 17.3<br>18                           | 8.1<br>8.3                      | 8.2<br>9.2                    | 25,794<br>29,233                          |
| Hoisting winch (+ rope)     |    | 75 LVF                                                                                                                                                                                                | 7.4                                  | 6.9                             | 4.5                           | 8,322                                     |
| Hoisting winch (+ rope)     |  | 100 LVF                                                                                                                                                                                               | 14                                   | 7.5                             | 7.6                           | 12,588                                    |
| Jib section                 |  | ①<br>6 DVF                                                                                                                                                                                            | 35.3                                 | 5.9                             | 9                             | 12,125                                    |
| Jib section                 |  | ②<br>③<br>⑤<br>⑥<br>⑦                                                                                                                                                                                 | 33.5<br>33.8<br>33.5<br>33.6<br>33.4 | 3.9<br>3.9<br>3.9<br>3.9<br>3.9 | 8.2<br>7.9<br>7.8<br>6.9<br>6 | 6,934<br>5,335<br>3,439<br>2,723<br>2,094 |
| Jib section                 |  | ④<br>⑧<br>⑨                                                                                                                                                                                           | 17.3<br>16.7<br>16.7                 | 3.9<br>3.9<br>3.9               | 7.8<br>5<br>4.6               | 2,116<br>683<br>485                       |
| Trolley                     |  | <br>17.6 USt                                                                                                     | 6.7                                  | 5                               | 3.6                           | 1,063                                     |
| Pulley block                |  | <br>17.6 USt                                                                                                     | 4.6                                  | 1.5                             | 7.3                           | 1,301                                     |
| Trolley                     |  | <br>17.6 USt                                                                                                     | 5.8                                  | 5                               | 3.4                           | 551                                       |
| Trolley                     |  | <br>17.6 USt<br><br>8.8 USt | 5.8<br>6                             | 5<br>5                          | 3.4<br>3.4                    | 668<br>668                                |
| Pulley block                |  | <br>17.6 USt<br><br>8.8 USt | 6<br>3.8                             | 0.9<br>0.7                      | 6.2<br>5.2                    | 1,863<br>816                              |

| Crane tower                                                                                                  |                                                                                     |                                                                                                                                                         | L (ft)                                                                                                                                          | W (ft)                                                                                                                                 | H (ft)                                                                                                                                 | lb<br>(+/- 5%)                                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Telescopic cage                                                                                              |    | <div> <div>6.6 ft</div> <div>8 ft</div> </div>                                                                                                          | <div>36.7</div> <div>33.6</div>                                                                                                                 | <div>14.4</div> <div>15.2</div>                                                                                                        | <div>13.6</div> <div>19</div>                                                                                                          | <div>18,188</div> <div>29,200</div>                                                                                                                        |
| K 649B<br>KM 649E<br>K 850/KR 849B<br>KM 850.10B                                                             |    | <div>6.6 ft</div> <div>6.6 ft</div> <div>8 ft</div> <div>8 ft</div>                                                                                     | <div>33.6</div> <div>33.8</div> <div>33.6</div> <div>33.9</div>                                                                                 | <div>6.8</div> <div>6.7</div> <div>8.3</div> <div>8.1</div>                                                                            | <div>6.7</div> <div>6.7</div> <div>8.2</div> <div>8.3</div>                                                                            | <div>11,663</div> <div>10,692</div> <div>20,878</div> <div>22,201</div>                                                                                    |
| K 649A<br>KMT 649A<br>KR 649A<br>KRMT 649A<br>K 849A<br>KR 849A<br>KRMT 849A<br>K 850/KR 849A<br>KMT 850.10A |    | <div>6.6 ft</div> <div>6.6 ft</div> <div>6.6 ft</div> <div>6.6 ft</div> <div>8 ft</div> <div>8 ft</div> <div>8 ft</div> <div>8 ft</div> <div>8 ft</div> | <div>17.2</div> <div>17.2</div> <div>17.2</div> <div>17.2</div> <div>17.2</div> <div>17.2</div> <div>17.2</div> <div>17.2</div> <div>17.5</div> | <div>6.8</div> <div>6.8</div> <div>6.9</div> <div>6.9</div> <div>8.3</div> <div>8.3</div> <div>8.4</div> <div>8.3</div> <div>8.3</div> | <div>6.7</div> <div>6.7</div> <div>6.8</div> <div>6.8</div> <div>8.2</div> <div>8.2</div> <div>8.3</div> <div>8.2</div> <div>8.2</div> | <div>6,184</div> <div>5,666</div> <div>7,165</div> <div>6,724</div> <div>7,496</div> <div>9,458</div> <div>9,017</div> <div>12,291</div> <div>12,015</div> |
| K 649C<br>KRMT 649C<br>KR 849C<br>KRMT 849C                                                                  |    | <div>6.6 ft</div> <div>6.6 ft</div> <div>8 ft</div> <div>8 ft</div>                                                                                     | <div>11.7</div> <div>11.7</div> <div>11.7</div> <div>11.7</div>                                                                                 | <div>6.8</div> <div>6.9</div> <div>8.4</div> <div>8.4</div>                                                                            | <div>6.7</div> <div>6.8</div> <div>8.3</div> <div>8.3</div>                                                                            | <div>4,376</div> <div>5,401</div> <div>7,044</div> <div>7,066</div>                                                                                        |
| Fixing angles                                                                                                |    | <div>P 602B</div> <div>P 802B</div> <div>P 851A</div>                                                                                                   | <div>2.1</div> <div>2.5</div> <div>3</div>                                                                                                      | <div>2.1</div> <div>2.5</div> <div>3</div>                                                                                             | <div>4.2</div> <div>4.2</div> <div>4.9</div>                                                                                           | <div>650</div> <div>1,025</div> <div>1,841</div>                                                                                                           |
| Basic mast unit                                                                                              |   | <div>V 60A</div> <div>V 63A</div> <div>Y 800B</div>                                                                                                     | <div>16.4</div> <div>32.9</div> <div>19.8</div>                                                                                                 | <div>7.9</div> <div>7.9</div> <div>9.6</div>                                                                                           | <div>7.9</div> <div>7.9</div> <div>9.6</div>                                                                                           | <div>9,674</div> <div>16,502</div> <div>19,004</div>                                                                                                       |
| Struts                                                                                                       |  | <div>V 60A</div> <div>V 63A</div> <div>Y 800B</div>                                                                                                     | <div>14.8</div> <div>14.8</div> <div>18.1</div>                                                                                                 | <div>1</div> <div>1.1</div> <div>1.6</div>                                                                                             | <div>1</div> <div>1.1</div> <div>1.5</div>                                                                                             | <div>919</div> <div>1,135</div> <div>2,447</div>                                                                                                           |
| Half-bearer                                                                                                  |  | <div>V 60A</div> <div>V 63A</div>                                                                                                                       | <div>22</div> <div>22</div>                                                                                                                     | <div>2.3</div> <div>2.3</div>                                                                                                          | <div>7.6</div> <div>7.6</div>                                                                                                          | <div>3,519</div> <div>4,079</div>                                                                                                                          |
| 1/2 Side member                                                                                              |  | Y 800B                                                                                                                                                  | 18.6                                                                                                                                            | 4.1                                                                                                                                    | 2.4                                                                                                                                    | 3,351                                                                                                                                                      |
| Side member                                                                                                  |  | Y 800B                                                                                                                                                  | 39.4                                                                                                                                            | 4.1                                                                                                                                    | 2.4                                                                                                                                    | 6,724                                                                                                                                                      |
| Ballast support                                                                                              |  | Y 800B                                                                                                                                                  | 12.3                                                                                                                                            | 1.2                                                                                                                                    | 3                                                                                                                                      | 2,392                                                                                                                                                      |
| Chassis beam                                                                                                 |  | Y 800B                                                                                                                                                  | 28.5                                                                                                                                            | 2.7                                                                                                                                    | 2.4                                                                                                                                    | 4,938                                                                                                                                                      |
| Central cross (transport position)                                                                           |  | YM 850<br>JM 850                                                                                                                                        | 17.1                                                                                                                                            | 5.6                                                                                                                                    | 4.9                                                                                                                                    | 14,771                                                                                                                                                     |
| Basic mast unit                                                                                              |  | YM 850<br>JM 850                                                                                                                                        | 28.7                                                                                                                                            | 8.2                                                                                                                                    | 8.2                                                                                                                                    | 32,187                                                                                                                                                     |
| Chassis girder                                                                                               |  | YM 850<br>JM 850                                                                                                                                        | 12.5<br>17.1                                                                                                                                    | 3<br>3                                                                                                                                 | 5.1<br>5.1                                                                                                                             | 6,173<br>7,055                                                                                                                                             |
| Chassis ties                                                                                                 |  | YM 850<br>JM 850                                                                                                                                        | 23.6                                                                                                                                            | 0.8                                                                                                                                    | 1.1                                                                                                                                    | 551                                                                                                                                                        |
| Struts                                                                                                       |  | YM 850<br>JM 850                                                                                                                                        | 24.6<br>26.9                                                                                                                                    | 2.5<br>2.5                                                                                                                             | 4.3<br>4.3                                                                                                                             | 4,630<br>5,071                                                                                                                                             |
| Cross girder                                                                                                 |  | ZX 6830                                                                                                                                                 | 29.9<br>29.9                                                                                                                                    | 3.7<br>2.5                                                                                                                             | 3.6<br>4.9                                                                                                                             | 11,607<br>12,004                                                                                                                                           |