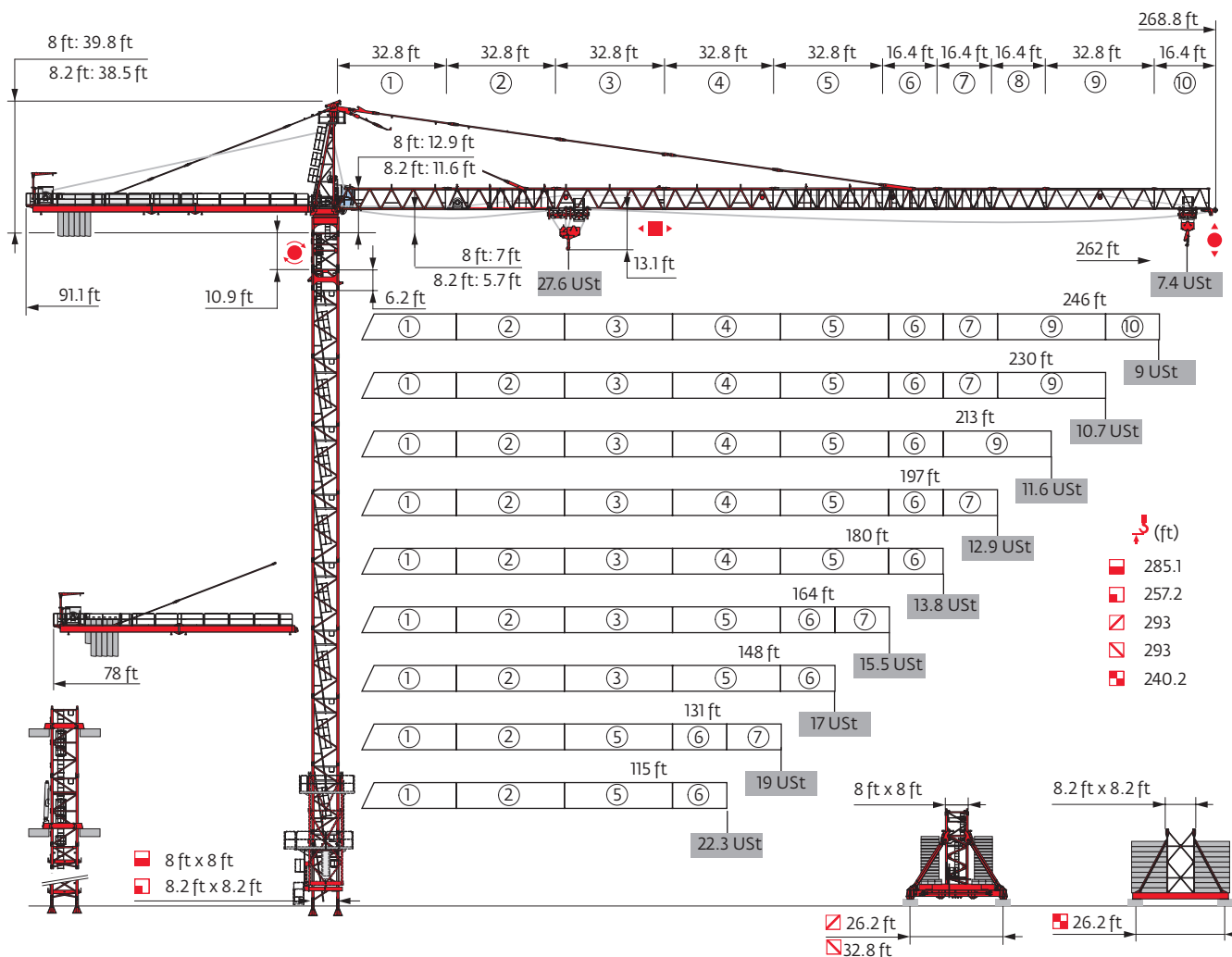


MD 689 M25

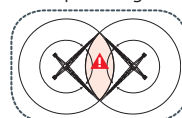
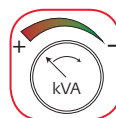


Potain Plus

Power Control

Top Site

Top Tracing 3

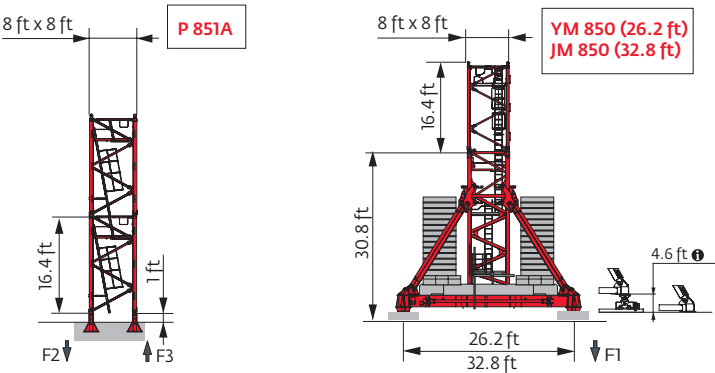


Mast - Reactions

| 8 ft - P 851A | | | | | | | | | | |
|---------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ΔΔΔ (ft) | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
| ↓ (ft) | 279.5 | 279.5 | 285.1 | 279.5 | 279.5 | 285.1 | 285.1 | 279.5 | 279.5 | 263.1 |
| ↓/P+ (ft) | 274.3 | 268.7 | 268.7 | 268.7 | 263.1 | 263.1 | 263.1 | 268.7 | 263.1 | 257.9 |
| | 10.9 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6.2 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 10.9 ft | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 |
| | 16.4 ft | 15 | 15 | 16 | 15 | 16 | 16 | 15 | 15 | 14 |
| F2 (USt) | ● 358 | 359 | 361 | 351 | 359 | 360 | 362 | 361 | 370 | 358 |
| | ■ 543 | 547 | 563 | 538 | 555 | 569 | 573 | 554 | 570 | 538 |
| F3 (USt) | ● 247 | 247 | 245 | 234 | 243 | 239 | 241 | 239 | 247 | 238 |
| | ■ 446 | 448 | 461 | 434 | 452 | 462 | 467 | 445 | 460 | 431 |

| 8 ft - YM 850 - | | | | | | | | | | |
|-----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ΔΔΔ (ft) | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
| ↓ (ft) | 287.7 | 287.7 | 293 | 293 | 287.7 | 293 | 287.7 | 287.7 | 287.7 | 271.3 |
| ↓/P+ (ft) | 276.6 | 276.6 | 276.6 | 276.6 | 271.3 | 271.3 | 271.3 | 276.6 | 271.3 | 265.8 |
| | 10.9 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6.2 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 10.9 ft | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 0 | 0 |
| | 16.4 ft | 15 | 15 | 14 | 14 | 15 | 14 | 15 | 15 | 14 |
| F1 (USt) | ● 206 | 207 | 213 | 209 | 205 | 215 | 206 | 208 | 214 | 203 |
| | ■ 271 | 273 | 286 | 281 | 275 | 288 | 275 | 273 | 282 | 267 |

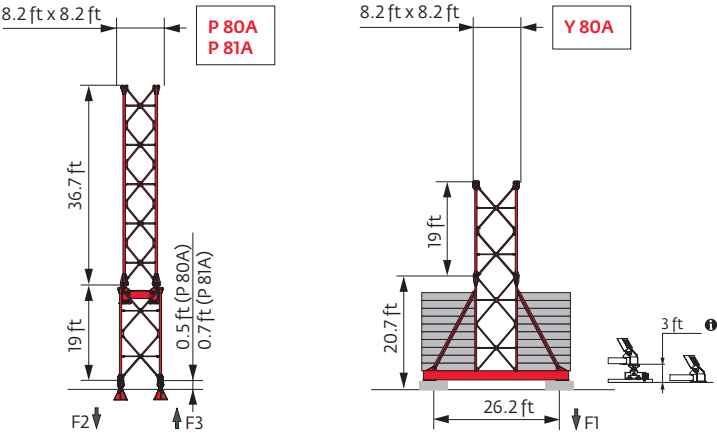
| 8 ft - JM 850 - | | | | | | | | | | |
|-----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ΔΔΔ (ft) | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
| ↓ (ft) | 287.7 | 287.7 | 293 | 293 | 287.7 | 293 | 287.7 | 287.7 | 287.7 | 271.3 |
| ↓/P+ (ft) | 276.6 | 276.6 | 276.6 | 276.6 | 271.3 | 271.3 | 271.3 | 276.6 | 271.3 | 265.8 |
| | 10.9 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 6.2 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 10.9 ft | 0 | 0 | 2 | 2 | 0 | 2 | 0 | 0 | 0 |
| | 16.4 ft | 15 | 15 | 14 | 14 | 15 | 14 | 15 | 15 | 14 |
| F1 (USt) | ● 166 | 167 | 173 | 169 | 165 | 171 | 166 | 168 | 174 | 163 |
| | ■ 215 | 217 | 228 | 224 | 219 | 229 | 219 | 218 | 225 | 213 |



| 8.2 ft - P 80A | | | | | | | | | | |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
| Height (ft) | 219.5 | 219.5 | 219.5 | 219.5 | 219.5 | 219.5 | 219.5 | 219.5 | 219.5 | 200.5 |
| Height/P ₊ (ft) | 219.5 | 219.5 | 219.5 | 219.5 | - | - | - | - | 200.5 | - |
| 36.7 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 ft | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 |
| F2 (Ust) | 250 | 251 | 253 | 252 | 246 | 243 | 245 | 248 | 250 | 248 |
| | 179 | 182 | 181 | 175 | 189 | 185 | 189 | 188 | 202 | 195 |
| F3 (Ust) | 164 | 163 | 162 | 159 | 154 | 147 | 149 | 150 | 151 | 151 |
| | 106 | 108 | 104 | 95 | 110 | 104 | 108 | 104 | 117 | 112 |

| 8.2 ft - P 81A | | | | | | | | | | |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
| Height (ft) | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 257.2 | 238.5 | 238.5 | 238.5 |
| Height/P ₊ (ft) | 257.2 | 257.2 | 257.2 | 257.2 | - | - | - | - | 238.5 | - |
| 36.7 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 ft | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 11 | 11 |
| F2 (Ust) | 275 | 276 | 278 | 277 | 270 | 266 | 268 | 260 | 270 | 273 |
| | 262 | 266 | 265 | 258 | 270 | 266 | 270 | 228 | 243 | 272 |
| F3 (Ust) | 180 | 179 | 178 | 175 | 170 | 164 | 165 | 158 | 167 | 169 |
| | 181 | 183 | 180 | 170 | 184 | 177 | 181 | 139 | 153 | 182 |

| 8.2 ft - Y 80A | | | | | | | | | | |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
| Height (ft) | 240.2 | 240.2 | 240.2 | 240.2 | 240.2 | 240.2 | 240.2 | 221.1 | 221.1 | 221.1 |
| Height/P ₊ (ft) | 240.2 | 221.1 | 221.1 | 221.1 | - | - | - | - | 221.1 | - |
| 36.7 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 19 ft | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 9 | 9 | 9 |
| F1 (Ust) | 143 | 142 | 138 | 141 | 140 | 143 | 144 | 142 | 144 | 145 |
| | 117 | 118 | 115 | 117 | 118 | 121 | 122 | 111 | 116 | 125 |



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.

Anchorage



Base ballast







| ⚙️ (USt) / 8 ft - YM 850 - ⚙️ | | | | | | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ⚙️ (ft) | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
| 293 | | 224.9 | 211.6 | | 224.9 | | | | | |
| 287.7 | 211.6 | 211.6 | 198.4 | 185.2 | 198.4 | 198.4 | 198.4 | 198.4 | 211.6 | |
| 271.3 | 158.7 | 158.7 | 158.7 | 145.5 | 158.7 | 145.5 | 145.5 | 145.5 | 158.7 | 185.2 |
| 254.9 | 119.1 | 119.1 | 119.1 | 105.8 | 119.1 | 105.8 | 105.8 | 105.8 | 119.1 | 132.3 |
| 238.5 | 105.8 | 105.8 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| 222.1 | 92.6 | 92.6 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 66.1 | 79.4 | 66.1 |
| ⚙️ (ft) | 205.7 | 79.4 | 79.4 | 79.4 | 79.4 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| | 189.3 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 |
| | 172.9 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 52.9 | 66.1 | 66.1 |
| | 156.5 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 52.9 | 66.1 | 66.1 |
| | 140.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 52.9 | 52.9 | 66.1 |
| | 123.7 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 52.9 | 52.9 | 66.1 |
| | 107.3 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 52.9 | 52.9 | 66.1 |
| | 90.9 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 52.9 | 52.9 | 66.1 |
| | | | | | | | | | | |



| ⚙️ (USt) / 8 ft - JM 850 - ⚙️ | | | | | | | | | | |
|-------------------------------|-------|-------|-------|------|-------|-------|-------|-------|-------|------|
| ⚙️ (ft) | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
| 293 | | 132.3 | 119.1 | | 119.1 | | | | | |
| 287.7 | 119.1 | 119.1 | 105.8 | 92.6 | 105.8 | 105.8 | 105.8 | 105.8 | 119.1 | |
| 271.3 | 79.4 | 79.4 | 79.4 | 66.1 | 79.4 | 66.1 | 66.1 | 66.1 | 66.1 | 92.6 |
| 254.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| 238.5 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| 222.1 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| ⚙️ (ft) | 205.7 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| | 189.3 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| | 172.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| | 156.5 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| | 140.1 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| | 123.7 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| | 107.3 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| | 90.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| | | | | | | | | | | |

| ⚙️ (USt) / 8.2 ft - Y 80A - ⚙️ | | | | | | | | | | |
|--------------------------------|-------|-------|------|-------|------|-------|-------|-------|-------|-------|
| ⚙️ (ft) | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
| 240.2 | 105.8 | 105.8 | 92.6 | 105.8 | 92.6 | 105.8 | 105.8 | | | |
| 221.1 | 105.8 | 105.8 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 105.8 | 105.8 | 105.8 |
| 202.1 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 105.8 | 105.8 |
| 183.1 | 92.6 | 92.6 | 79.4 | 79.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 105.8 |
| ⚙️ (ft) | 164 | 92.6 | 92.6 | 79.4 | 79.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| | 145.3 | 92.6 | 92.6 | 79.4 | 79.4 | 79.4 | 79.4 | 92.6 | 92.6 | 92.6 |
| | 126.3 | 92.6 | 92.6 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 92.6 | 92.6 |
| | 107.3 | 92.6 | 92.6 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| | 88.3 | 92.6 | 92.6 | 79.4 | 79.4 | 66.1 | 79.4 | 79.4 | 79.4 | 79.4 |
| | | | | | | | | | | |

Load curves



|  (ft) | | | 72 | 82 | 89 | 98 | 115 | 121 | 131 | 148 | 154 | 164 | 180 | 187 | 197 | 213 | 220 | 230 | 236 | 246 | 253 | 262 | ft | |
|--|--|--|---|------|------|------|------|-------------|------|-------------|-------------|---|-------------|-------------|------|-------------|-------------|------|-------------|-----|-------------|-----|-------------|--|
|  |  27.6 USt |  13.8 USt |  | | | | | | | | |  | | | | | | | | | | | | |
| 262 | 13.5 → 77.4 | 136.8 - 149.6 | 27.6 | 25.7 | 23.5 | 20.7 | 17.2 | 16 | 14.5 | 13.8 | 13.3 | 12.4 | 11 | 10.6 | 9.9 | 9 | 8.7 | 8.2 | 7.9 | 7.5 | 7.3 | 6.9 | USt | |
| | 13.5 → 78.8 | 141.2 - 154.7 | 27.6 | 26.3 | 24.1 | 21.3 | 17.7 | 16.6 | 15.1 | 13.8 | 13.8 | 12.9 | 11.6 | 11.1 | 10.4 | 9.5 | 9.1 | 8.7 | 8.4 | 8 | 7.7 | 7.4 | USt P_{+} | |
| 246 | 13.5 → 84.7 | 148.2 - 161.4 | 27.6 | 27.6 | 26.1 | 23 | 19 | 17.8 | 16.1 | 13.8 | 13.8 | 13.5 | 12 | 11.5 | 10.8 | 9.8 | 9.4 | 8.9 | 8.6 | 8.2 | USt | | | |
| | 13.5 → 87.7 | 156.6 - 170.9 | 27.6 | 27.6 | 27 | 24.1 | 20.1 | 18.8 | 17.1 | 14.8 | 14 | 13.8 | 12.9 | 12.4 | 11.7 | 10.6 | 10.3 | 9.7 | 9.4 | 9 | USt P_{+} | | | |
| 230 | 13.5 → 90 | 158.9 - 172.7 | 27.6 | 27.6 | 27.6 | 24.8 | 20.6 | 19.3 | 17.5 | 15.1 | 14.3 | 13.8 | 13.1 | 12.5 | 11.8 | 10.7 | 10.3 | 9.8 | USt | | | | | |
| | 13.5 → 92 | 167.7 - 182.9 | 27.6 | 27.6 | 27.6 | 25.5 | 21.5 | 20.2 | 18.4 | 16 | 15.2 | 14.2 | 13.8 | 13.5 | 12.7 | 11.6 | 11.2 | 10.7 | USt P_{+} | | | | | |
| 213 | 13.5 → 87.8 | 159.1 - 173.9 | 27.6 | 27.6 | 27 | 24.2 | 20.3 | 19 | 17.4 | 15.1 | 14.3 | 13.8 | 13.2 | 12.7 | 11.9 | USt | | | | | | | | |
| | 13.5 → 92.2 | 168.2 - 182.6 | 27.6 | 27.6 | 27.6 | 25.6 | 21.5 | 20.2 | 18.4 | 16.1 | 15.3 | 14.2 | 13.8 | 13.4 | 12.7 | 11.6 | USt P_{+} | | | | | | | |
| 197 | 13.5 → 88.7 | 160.6 - 175 | 27.6 | 27.6 | 27.6 | 24.5 | 20.5 | 19.2 | 17.6 | 15.3 | 14.5 | 13.8 | 13.3 | 12.8 | 12.1 | USt | | | | | | | | |
| | 13.5 → 93.6 | 170.8 - 185.4 | 27.6 | 27.6 | 27.6 | 26.1 | 21.9 | 20.6 | 18.8 | 16.4 | 15.6 | 14.5 | 13.8 | 13.7 | 12.9 | USt P_{+} | | | | | | | | |
| 180 | 13.5 → 88.3 | 159.9 - 174.2 | 27.6 | 27.6 | 27 | 24.4 | 20.4 | 19.1 | 17.5 | 15.2 | 14.4 | 13.8 | 13.2 | USt | | | | | | | | | | |
| | 13.5 → 91.8 | 167.3 - 180.4 | 27.6 | 27.6 | 27.6 | 25.5 | 21.4 | 20.1 | 18.4 | 16 | 15.2 | 14.1 | 13.8 | USt P_{+} | | | | | | | | | | |
| 164 | 13.5 → 91.5 | | 27.6 | 27.6 | 27.6 | 25.4 | 21.3 | 20 | 18.2 | 15.9 | 15 | 14 | USt | | | | | | | | | | | |
| | 13.5 → 96.2 | | 27.6 | 27.6 | 27.6 | 26.8 | 22.6 | 21.2 | 19.4 | 16.9 | 16.1 | 14.9 | USt P_{+} | | | | | | | | | | | |
| 148 | 13.5 → 90.3 | | 27.6 | 27.6 | 27.6 | 25 | 21 | 19.7 | 18 | 15.6 | USt | | | | | | | | | | | | | |
| | 13.5 → 93.6 | | 27.6 | 27.6 | 27.6 | 26 | 21.9 | 20.5 | 18.8 | 16.4 | USt P_{+} | | | | | | | | | | | | | |
| 131 | 13.5 → 90.3 | | 27.6 | 27.6 | 27.6 | 25 | 21 | 19.7 | 17.9 | USt | | | | | | | | | | | | | | |
| | 13.5 → 92.1 | | 27.6 | 27.6 | 27.6 | 25.6 | 21.5 | 20.2 | 18.4 | USt P_{+} | | | | | | | | | | | | | | |
| 115 | 13.5 → 91 | | 27.6 | 27.6 | 27.6 | 25.2 | 21.1 | USt | | | | | | | | | | | | | | | | |
| | 13.5 → 92.9 | | 27.6 | 27.6 | 27.6 | 25.8 | 21.7 | USt P_{+} | | | | | | | | | | | | | | | | |

 =  - 1.51 USt max.

$$U_{L} = L_{L} - 1.51 \text{ USt max.}$$



| ▼▼▼▼▼▼▼▼ (ft) | | | 72 | 82 | 89 | 98 | 115 | 121 | 131 | 148 | 154 | 164 | 180 | 187 | 197 | 213 | 220 | 230 | 236 | 246 | 253 | 262 | ft | |
|---------------|-------------|-------------------|------|------|------|------|------|--------|------|--------|--------|------|--------|--------|------|--------|--------|------|--------|-----|--------|-----|--------|--|
| ▼▼▼▼ | ▼▼ 27.6 USt | ▼▼ ↩️ ▼▼ 13.8 USt | ▼▼ | | | | | | | ▼▼ | | | | | | | | | | | | | | |
| 262 | 8.9 → 78.8 | 141.3 - 144.8 | 27.6 | 26.3 | 24.1 | 21.3 | 17.7 | 16.6 | 15.1 | 13.5 | 12.8 | 11.8 | 10.5 | 10 | 9.4 | 8.5 | 8.1 | 7.7 | 7.4 | 7 | 6.7 | 6.4 | USt | |
| | 8.9 → 80.2 | 146.1 - 149.7 | 27.6 | 26.9 | 24.7 | 21.9 | 18.3 | 17.2 | 15.7 | 13.8 | 13.3 | 12.4 | 11 | 10.6 | 9.9 | 9 | 8.6 | 8.1 | 7.9 | 7.4 | 7.2 | 6.8 | USt P+ | |
| 246 | 8.9 → 86.2 | 153.1 - 156.7 | 27.6 | 27.6 | 26.7 | 23.6 | 19.6 | 18.3 | 16.7 | 14.4 | 13.8 | 13 | 11.6 | 11.1 | 10.4 | 9.3 | 9 | 8.5 | 8.2 | 7.7 | USt | | | |
| | 8.9 → 89.3 | 161.9 - 165.9 | 27.6 | 27.6 | 27.6 | 24.7 | 20.7 | 19.4 | 17.7 | 15.4 | 14.6 | 13.8 | 12.5 | 11.9 | 11.2 | 10.2 | 9.8 | 9.3 | 8.9 | 8.5 | USt P+ | | | |
| 230 | 8.9 → 91.7 | 164.3 - 168.3 | 27.6 | 27.6 | 27.6 | 25.4 | 21.2 | 19.9 | 18.1 | 15.7 | 14.9 | 13.8 | 12.7 | 12.1 | 11.4 | 10.3 | 9.9 | 9.4 | USt | | | | | |
| | 8.9 → 93.7 | 173.7 - 178.1 | 27.6 | 27.6 | 27.6 | 26.1 | 22 | 20.7 | 19 | 16.6 | 15.8 | 14.7 | 13.6 | 13 | 12.3 | 11.2 | 10.8 | 10.3 | USt P+ | | | | | |
| 213 | 8.9 → 89.5 | 164.7 - 168.8 | 27.6 | 27.6 | 27.6 | 24.8 | 20.9 | 19.6 | 17.9 | 15.7 | 14.9 | 13.8 | 12.8 | 12.2 | 11.5 | 10.5 | USt | | | | | | | |
| | 8.9 → 94 | 174.3 - 177.9 | 27.6 | 27.6 | 27.6 | 26.2 | 22.1 | 20.7 | 19 | 16.7 | 15.9 | 14.8 | 13.6 | 13 | 12.3 | 11.2 | USt P+ | | | | | | | |
| 197 | 8.9 → 90.3 | 166.3 - 170.6 | 27.6 | 27.6 | 27.6 | 25.1 | 21.1 | 19.8 | 18.1 | 15.8 | 15.1 | 14 | 12.9 | 12.4 | 11.7 | USt | | | | | | | | |
| | 8.9 → 95.4 | 176.9 - 180.6 | 27.6 | 27.6 | 27.6 | 26.6 | 22.5 | 21.1 | 19.4 | 17 | 16.1 | 15 | 13.8 | 13.2 | 12.5 | USt P+ | | | | | | | | |
| 180 | 8.9 → 89.9 | 165.5 - 169.7 | 27.6 | 27.6 | 27.6 | 24.9 | 21 | 19.7 | 18 | 15.7 | 15 | 13.9 | 12.8 | USt | | | | | | | | | | |
| | 8.9 → 93.5 | 173.3 - 177.2 | 27.6 | 27.6 | 27.6 | 26 | 22 | 20.7 | 18.9 | 16.6 | 15.8 | 14.7 | 13.5 | USt P+ | | | | | | | | | | |
| 164 | 8.9 → 93.2 | | 27.6 | 27.6 | 27.6 | 26 | 21.9 | 20.5 | 18.8 | 16.4 | 15.6 | 14.5 | USt | | | | | | | | | | | |
| | 8.9 → 98 | | 27.6 | 27.6 | 27.6 | 27.4 | 23.1 | 21.8 | 20 | 17.5 | 16.6 | 15.5 | USt P+ | | | | | | | | | | | |
| 148 | 8.9 → 92 | | 27.6 | 27.6 | 27.6 | 25.6 | 21.5 | 20.2 | 18.5 | 16.2 | USt | | | | | | | | | | | | | |
| | 8.9 → 95.4 | | 27.6 | 27.6 | 27.6 | 26.6 | 22.5 | 21.1 | 19.4 | 17 | USt P+ | | | | | | | | | | | | | |
| 131 | 8.9 → 92 | | 27.6 | 27.6 | 27.6 | 25.6 | 21.5 | 20.2 | 18.5 | USt | | | | | | | | | | | | | | |
| | 8.9 → 93.8 | | 27.6 | 27.6 | 27.6 | 26.2 | 22.1 | 20.7 | 19 | USt P+ | | | | | | | | | | | | | | |
| 115 | 8.9 → 92.7 | | 27.6 | 27.6 | 27.6 | 25.8 | 21.7 | USt | | | | | | | | | | | | | | | | |
| | 8.9 → 94.6 | | 27.6 | 27.6 | 27.6 | 26.4 | 22.3 | USt P+ | | | | | | | | | | | | | | | | |

▼▼ = ▼▼ - 0.41 USt max.

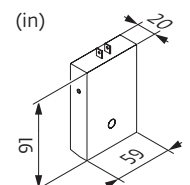
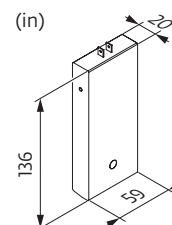
$$U_{L} = L_{L} - 0.41 \text{ USt max.}$$

Jib weight & counter-jib ballast

| | | (lb) | | | | | | |
|--------|--------|----------|-----------|----------|--------|------------|----------|--------|
| | | (+/- 5%) | 100 LVF | | | 180 LVF GH | | |
| | | | 13,228 lb | 8,818 lb | (lb) | 13,228 lb | 8,818 lb | (lb) |
| 262 ft | 58,908 | 59,988 | 6 | 0 | 79,366 | 5 | 0 | 66,139 |
| 246 ft | 56,593 | 57,673 | 6 | 0 | 79,366 | 5 | 0 | 66,139 |
| 230 ft | 55,380 | 56,460 | 6 | 0 | 79,366 | 5 | 0 | 66,139 |
| 213 ft | 52,900 | 53,980 | 4 | 2 | 70,548 | 3 | 2 | 57,320 |
| 197 ft | 52,305 | 53,385 | 4 | 2 | 70,548 | 3 | 2 | 57,320 |
| 180 ft | 49,824 | 50,905 | 4 | 1 | 61,729 | 3 | 1 | 48,502 |
| 164 ft | 46,198 | 47,278 | 5 | 1 | 74,957 | 4 | 1 | 61,729 |
| 148 ft | 43,718 | 44,798 | 3 | 3 | 66,139 | 2 | 3 | 52,911 |
| 131 ft | 39,562 | 40,642 | 3 | 2 | 57,320 | 2 | 2 | 44,092 |
| 115 ft | 37,082 | 38,162 | 2 | 3 | 52,911 | 1 | 3 | 39,683 |

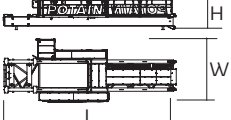
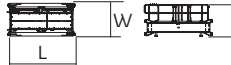
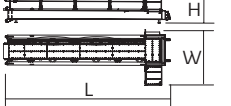
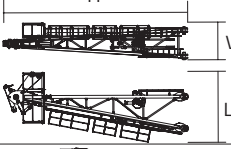
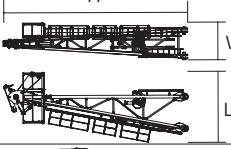

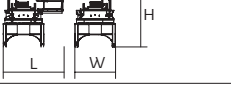
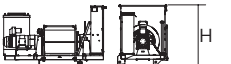


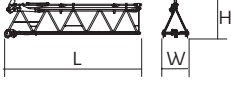
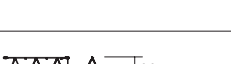
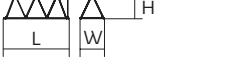


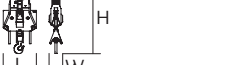
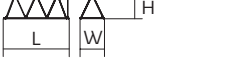


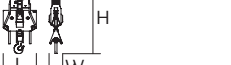
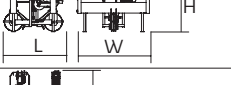
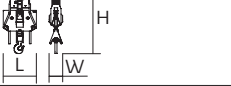
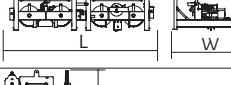
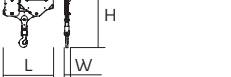
CBC - 13,228 lb

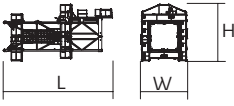



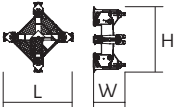

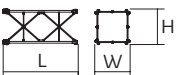
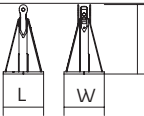

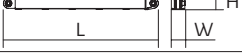
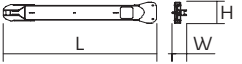
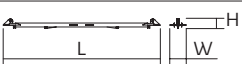
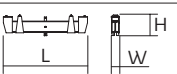
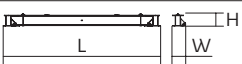
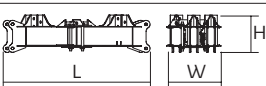
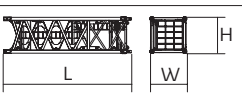
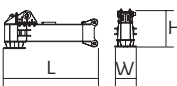
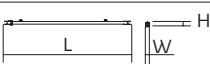
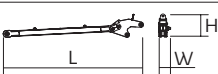
CBD - 8,818 lb













Dimensions and weight

Slewing crane part:  262 ft -  -  -  100 LVF

| Slewing crane part | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|-------------------------|--|---------------|--------|--------|----------------|
| Counter-jib |  | 38.4 | 13.5 | 6.4 | 14,308 |
| |  | 13.8 | 6.6 | 6.4 | 4,365 |
| |  | 36.2 | 11.7 | 6.8 | 10,858 |
| |  | | | | |
| Cathead |  | 11.6 | 6.5 | 32.3 | 18,221 |
| Cab |  Ultra View | 16.4 | 8.2 | 9.1 | 4,134 |
| Towerhead |  | 12.1 | 9.5 | 12.7 | 25,485 |
| |  | 12.9 | 10 | 11.5 | 25,353 |
| Hoisting winch (+ rope) |  | 10.4 | 5.2 | 5.7 | 9,138 |
| |  | 14 | 6.3 | 6.2 | 20,349 |
| Jib section |  | ① 34 | 6.2 | 8.3 | 11,241 |
| |  | ② 10 DVF 33.9 | 6.2 | 7.7 | 10,944 |
| |  | ③ 33.6 | 6.2 | 7.9 | 6,634 |
| |  | ④ 33.6 | 6.2 | 7.6 | 6,105 |
| |  | ⑤ 33.6 | 6.2 | 7.6 | 6,279 |
| |  | ⑥ 33.5 | 6.2 | 6.6 | 3,075 |
| Jib section |  | ⑦ 17.5 | 6.2 | 7.4 | 4,222 |
| |  | ⑧ 17.2 | 6.2 | 6.7 | 2,476 |
| |  | ⑨ 17.2 | 6.2 | 6.7 | 2,314 |
| |  | ⑩ 17 | 6.2 | 6.5 | 1,215 |
| Trolley |  27.6 USt | 5.9 | 7.4 | 4.7 | 1,676 |
| Pulley block |  27.6 USt | 3.9 | 1.4 | 7.8 | 1,874 |
| Trolley |  27.6 USt | 13.5 | 7.2 | 3.8 | 2,635 |
| Pulley block |  27.6 USt | 6 | 1.1 | 7.7 | 1,995 |

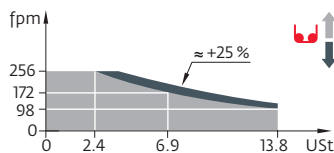
| Crane tower | | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|--|---|----------------------------|----------------------|--------------------------|--------------------------|-----------------------------------|
| Telescopic cage T 851 |  | □ 8 ft | 36.7 | 15.9 | 19 | 34,723 |
| K 850/K 850 Telescoping mast |  | □ 8 ft | 7.3 | 10.7 | 8.2 | 8,069 |
| Telescopic cage |  | □ 8.2 ft | 24.3 | 12 | 19.1 | 13,669 |
| Slider |  | □ 8.2 ft | 36.4 | 6.9 | 6.9 | 15,653 |
| Slider base |  | □ 8.2 ft | 7.7 | 5.2 | 7.7 | 13,140 |
| KM 850.10B KMT 850.10A KMT 850.10C |  | □ 8 ft | 33.9 17.5 12 | 8.1 8.3 8.3 | 8.3 8.2 8.2 | 22,201 12,015 9,326 |
| R 86 R 87 R 87B R 88B |  | □ 8.2 ft | 21 21 21 21 | 9.5 9.5 9.5 9.7 | 9.5 9.5 9.5 9.7 | 8,422 9,392 9,976 12,787 |
| Fixing angles |  | P 851A P 80A P 81A ⓘ | 3 2.6 - | 3 2.6 - | 4.9 4 - | 1,841 4,343 - |
| Basic mast unit |  | Y 80A | 19.7 | 9.8 | 9.8 | 16,314 |
| Struts |  | Y 80A | 18 | 1.4 | 1.2 | 1,764 |
| 1/2 Side member |  | Y 80A | 18.4 | 3.8 | 2 | 2,205 |
| Side member |  | Y 80A | 38.9 | 3.8 | 2 | 4,630 |
| Ballast support |  | Y 80A | 15.3 | 1 | 2.2 | 595 |
| Chassis beam |  | Y 80A | 28.2 | 2.3 | 3.8 | 4,409 |
| Central cross (transport position) |  | YM 850 JM 850 | 17.1 | 5.6 | 4.9 | 14,771 |
| Basic mast unit |  | YM 850 JM 850 | 28.7 | 8.2 | 8.2 | 32,187 |
| Chassis girder |  | YM 850 JM 850 | 12.5 17.1 | 3 3 | 5.1 5.1 | 6,173 7,055 |
| Chassis ties |  | YM 850 JM 850 | 23.6 | 0.8 | 1.1 | 551 |
| Struts |  | YM 850 JM 850 | 24.6 26.9 | 2.5 2.5 | 4.3 4.3 | 4,630 5,071 |

Mechanisms

| 480 V - 60 Hz | | |  | | | | |  | | | | | hp | kW |  |
|---|---|-----|---|------|-----|-----|-----|--|------|------|-----|-----|--------|---------|---|
|  | 100 LVF 63 Optima | fpm | 98 | 126 | 172 | 226 | 256 | 49 | 64 | 89 | 116 | 128 | 100 | 75 | 2,382 ft |
| | | USt | 13.8 | 10.4 | 6.9 | 3.4 | 2.4 | 27.6 | 20.7 | 13.8 | 6.9 | 6 | | | |
|  | 180 LVF 63 GH Optima | fpm | 177 | 218 | 289 | 448 | 630 | 89 | 110 | 148 | 236 | 315 | 180 | 132 | 3,937 ft |
| | | USt | 13.8 | 10.4 | 6.9 | 3.4 | 1 | 27.6 | 20.7 | 13.8 | 6.9 | 3.4 | | | |
|  | 10 DVF 10 Optima | fpm | 0 → 217 (27.6 USt) 0 → 262 (22 USt) 0 → 328 (13.8 USt) 0 → 361 (6.9 USt) | | | | | | | | | | 10 | 7.4 |  |
|  | RVF 173 Optima+ | rpm | 0 → 0.8 | | | | | | | | | | 3 x 10 | 3 x 7.5 | |
|  |  | | | | | | | | | | | | | | |

| | | | |
|------------------------|--------------|--|-----|
| | IEC 60204-32 | | kVA |
| 480 V (+6% -10%) 60 Hz | | 100 LVF : 117 → 77 kVA 180 LVF GH : 181 → 109 kVA | |

100 LVF 63 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.

| | | | | | |
|--|--|--|---|--|---|
| | 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 | | |
| | Total ballast weight | | Travelling | | |



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

