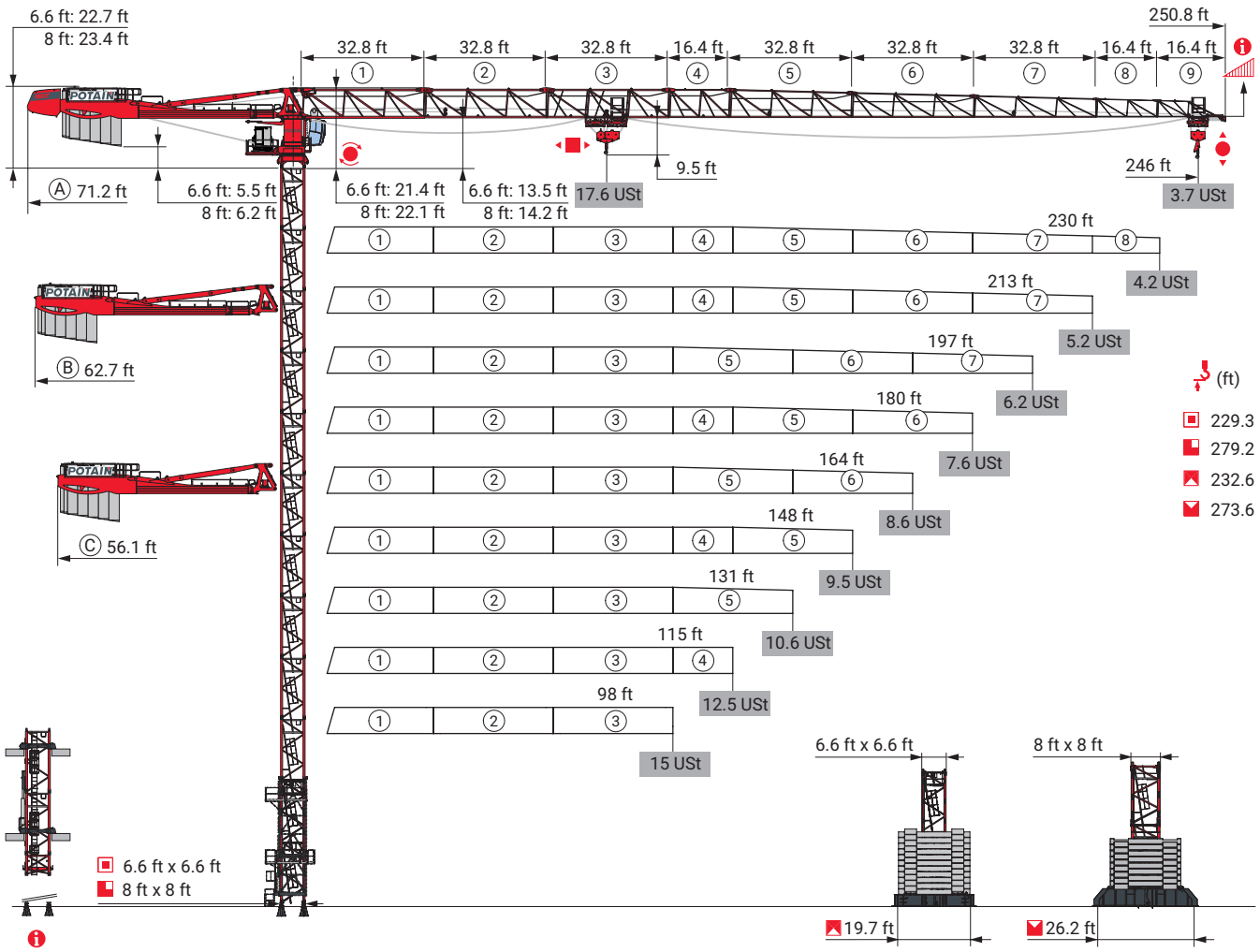
# POTAIN®

# MDT 389 L16

ASME B30.3-2025




Potain Plus

Power Control

Top Site

Anti-collision systems

Automatic Rotation Control

Values have been rounded.

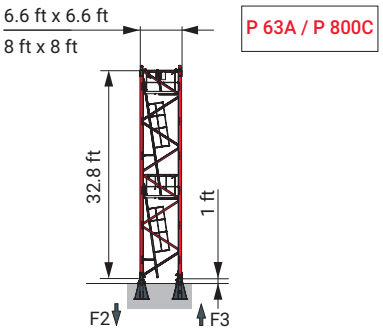
## Mast - Reactions

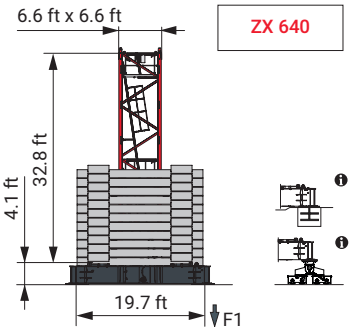
| 6.6 ft - P 63A | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
| (ft) | 223.8 | 223.8 | 223.8 | 218.5 | 223.8 | 223.8 | 223.8 | 229.3 | 223.8 | 223.8 |
| /P+ (ft) | 180.1 | 174.5 | 185.7 | 190.9 | 202.1 | 212.9 | 212.9 | 223.8 | 223.8 | 223.8 |
| 10.9 ft | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 1 | 2 | 2 |
| 16.4 ft | 10 | 10 | 10 | 11 | 10 | 10 | 10 | 11 | 10 | 10 |
| 32.8 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| F2 (USt) ● | 274 | 278 | 278 | 273 | 283 | 286 | 287 | 298 | 305 | 308 |
| F2 (USt) ■ | 346 | 353 | 354 | 328 | 359 | 363 | 367 | 401 | 388 | 399 |
| F3 (USt) ● | 207 | 210 | 208 | 203 | 211 | 213 | 215 | 224 | 230 | 234 |
| F3 (USt) ■ | 288 | 294 | 294 | 266 | 297 | 299 | 304 | 336 | 323 | 333 |

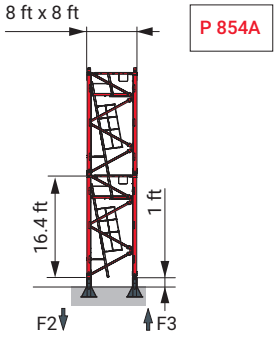
| 6.6 ft - ZX 640 - | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
| (ft) | 227 | 227 | 227 | 221.5 | 227 | 227 | 227 | 232.6 | 227 | 221.5 |
| /P+ (ft) | 183.4 | 172.2 | 183.4 | 188.7 | 205.1 | 210.6 | 210.6 | 221.5 | 227 | 221.5 |
| 10.9 ft | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 1 | 2 | 0 |
| 16.4 ft | 10 | 10 | 10 | 11 | 10 | 10 | 10 | 11 | 10 | 11 |
| 32.8 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| F1 (USt) ● | 156 | 158 | 159 | 155 | 161 | 162 | 165 | 175 | 174 | 169 |
| F1 (USt) ■ | 204 | 208 | 209 | 192 | 211 | 213 | 216 | 237 | 229 | 220 |

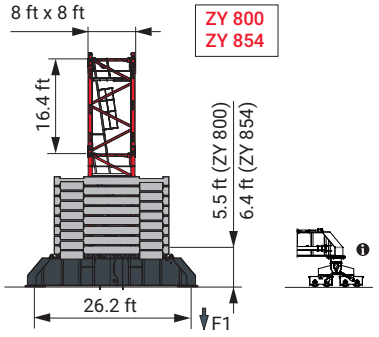
| 8 ft - P 800C | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
| (ft) | 240.8 | 240.8 | 240.8 | 240.8 | 240.8 | 240.8 | 235.6 | 235.6 | 235.6 | 235.6 |
| /P+ (ft) | 240.8 | 240.8 | 240.8 | 240.8 | 240.8 | 240.8 | 235.6 | 235.6 | 235.6 | 235.6 |
| 10.9 ft | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 0 | 0 | 0 |
| 16.4 ft | 13 | 13 | 13 | 13 | 13 | 13 | 14 | 14 | 14 | 14 |
| F2 (USt) ● | 257 | 262 | 260 | 264 | 264 | 264 | 255 | 255 | 262 | 265 |
| F2 (USt) ■ | 387 | 393 | 394 | 392 | 398 | 401 | 374 | 384 | 391 | 398 |
| F3 (USt) ● | 184 | 188 | 185 | 187 | 186 | 186 | 179 | 178 | 184 | 187 |
| F3 (USt) ■ | 323 | 328 | 328 | 324 | 330 | 332 | 307 | 316 | 321 | 329 |

| 8 ft - P 854A | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
| (ft) | 279.2 | 279.2 | 279.2 | 279.2 | 279.2 | 279.2 | 273.6 | 273.6 | 273.6 | 268.4 |
| /P+ (ft) | 279.2 | 279.2 | 279.2 | 279.2 | 279.2 | 279.2 | 273.6 | 273.6 | 273.6 | 268.4 |
| 10.9 ft | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 0 |
| 16.4 ft | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 15 | 15 | 16 |
| F2 (USt) ● | 310 | 312 | 314 | 321 | 321 | 323 | 317 | 318 | 327 | 316 |
| F2 (USt) ■ | 556 | 561 | 565 | 564 | 571 | 576 | 559 | 571 | 578 | 547 |
| F3 (USt) ● | 229 | 229 | 231 | 235 | 235 | 238 | 231 | 231 | 239 | 230 |
| F3 (USt) ■ | 484 | 487 | 491 | 488 | 494 | 499 | 482 | 493 | 499 | 470 |




Other mast compositions - Please consult us.

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

| 8 ft - ZY 800 - | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
| (ft) | 239.8 | 239.8 | 239.8 | 239.8 | 239.8 | 239.8 | 234.6 | 234.6 | 229 | 229 |
| /P+ (ft) | 239.8 | 239.8 | 239.8 | 239.8 | 239.8 | 239.8 | 234.6 | 234.6 | 229 | 229 |
| 10.9 ft | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 |
| 16.4 ft | 14 | 14 | 14 | 14 | 14 | 14 | 13 | 13 | 12 | 12 |
| F1 (USt) ● | 139 | 141 | 141 | 143 | 143 | 143 | 142 | 143 | 139 | 144 |
| F1 (USt) ■ | 197 | 200 | 200 | 199 | 202 | 204 | 197 | 203 | 197 | 201 |

| 8 ft - ZY 854 - | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
| (ft) | 273.6 | 273.6 | 273.6 | 273.6 | 273.6 | 273.6 | 268 | 268 | 268 | 262.8 |
| /P+ (ft) | 273.6 | 273.6 | 273.6 | 273.6 | 273.6 | 273.6 | 268 | 268 | 268 | 262.8 |
| 10.9 ft | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 2 |
| 16.4 ft | 16 | 16 | 16 | 16 | 16 | 16 | 15 | 15 | 15 | 14 |
| F1 (USt) ● | 179 | 181 | 181 | 183 | 184 | 184 | 183 | 184 | 186 | 185 |
| F1 (USt) ■ | 278 | 280 | 281 | 280 | 284 | 286 | 278 | 284 | 288 | 282 |

## Anchorages

## Base ballast

| (USt) / 6.6 ft - ZX 640 - | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
| 232.6 | | | | | | | | 209.4 | | |
| 227 | 176.4 | 176.4 | 176.4 | | 176.4 | 176.4 | 187.4 | 187.4 | 198.4 | |
| 221.5 | 165.4 | 165.4 | 154.3 | 165.4 | 154.3 | 165.4 | 165.4 | 176.4 | 176.4 | 187.4 |
| 205.1 | 143.3 | 143.3 | 143.3 | 143.3 | 132.3 | 143.3 | 143.3 | 132.3 | 154.3 | 154.3 |
| 188.7 | 121.3 | 110.2 | 110.2 | 121.3 | 110.2 | 110.2 | 110.2 | 110.2 | 121.3 | 121.3 |
| 172.2 | 99.2 | 99.2 | 99.2 | 99.2 | 88.2 | 88.2 | 88.2 | 88.2 | 99.2 | 99.2 |
| 155.8 | 88.2 | 88.2 | 88.2 | 77.2 | 77.2 | 66.1 | 77.2 | 66.1 | 77.2 | 77.2 |
| 139.4 | 88.2 | 88.2 | 88.2 | 77.2 | 77.2 | 66.1 | 55.1 | 55.1 | 66.1 | 66.1 |
| 123 | 88.2 | 88.2 | 88.2 | 77.2 | 77.2 | 66.1 | 55.1 | 55.1 | 66.1 | 66.1 |

| (USt) / 8 ft - ZY 800 - | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
| 239.8 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 | | | | |
| 234.6 | 132.3 | 145.5 | 132.3 | 132.3 | 132.3 | 132.3 | 145.5 | 145.5 | | |
| 229 | 119.1 | 132.3 | 119.1 | 119.1 | 119.1 | 119.1 | 132.3 | 132.3 | 132.3 | 145.5 |
| 212.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 105.8 | 105.8 |
| 196.2 | 66.1 | 66.1 | 66.1 | 79.4 | 79.4 | 79.4 | 79.4 | 66.1 | 79.4 | 79.4 |
| 179.8 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 66.1 | 66.1 |
| 163.4 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 26.5 | 39.7 | 39.7 |
| 147 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 13.2 | 13.2 | 13.2 | 26.5 | 26.5 |
| 130.6 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 114.2 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |

| (USt) / 8 ft - ZY 854 - | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
| 273.6 | 238.1 | 238.1 | 238.1 | 238.1 | 238.1 | 238.1 | | | | |
| 268 | 224.9 | 224.9 | 224.9 | 224.9 | 224.9 | 224.9 | 238.1 | 238.1 | 238.1 | |
| 262.8 | 211.6 | 211.6 | 211.6 | 211.6 | 211.6 | 211.6 | 211.6 | 224.9 | 224.9 | 238.1 |
| 246.4 | 172 | 172 | 172 | 158.7 | 172 | 172 | 172 | 172 | 185.2 | 185.2 |
| 230 | 132.3 | 132.3 | 132.3 | 119.1 | 132.3 | 132.3 | 132.3 | 132.3 | 132.3 | 145.5 |
| 213.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 105.8 |
| 197.2 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 79.4 | 79.4 |
| 180.8 | 52.9 | 39.7 | 39.7 | 52.9 | 39.7 | 52.9 | 52.9 | 39.7 | 52.9 | 52.9 |
| 164.4 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| 148 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 131.6 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 115.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |

## 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 | 8.8 | 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+ | | | | | | | | | | | | | | | | |

= - 0.97 USt max.

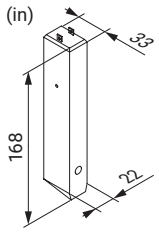
| (ft) | | | 56 | 66 | 82 | 89 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | 154 | 164 | 180 | 187 | 197 | 213 | 220 | 230 | 236 | 246 | ft |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 17.6 USt | 8.8 USt | | | | | | | | | | | | | | | | | | | | | | |
| 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 | 6.7 | 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+ | | | | | | | | | | | | | | | | |

= - 0.29 USt max.

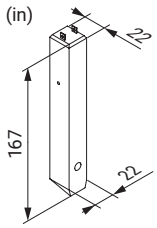
## Jib weight and counter-jib ballast

| | (lb) (+/- 5%) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | 10,141 lb | 3,373 lb | (lb) | 6,768 lb | 3,373 lb | (lb) |
| **246 ft** | 40,347 | 39,256 | 40,677 | 5 | 2 | 57,452 | 8 | 1 | 57,519 |
| **230 ft** | 39,760 | 38,702 | 40,069 | 5 | 2 | 57,452 | 8 | 1 | 57,519 |
| **213 ft** | 38,909 | 37,917 | 39,284 | 5 | 2 | 57,452 | 8 | 1 | 57,519 |
| **197 ft** | 36,870 | 35,944 | 37,201 | 5 | 1 | 54,079 | 8 | 0 | 54,146 |
| **180 ft** | 36,894 | 35,968 | 37,225 | 5 | 1 | 54,079 | 8 | 0 | 54,146 |
| **164 ft** | 35,102 | 34,176 | 35,433 | 5 | 2 | 57,452 | 8 | 1 | 57,519 |
| **148 ft** | 34,520 | 33,594 | 34,851 | 5 | 2 | 57,452 | 8 | 1 | 57,519 |
| **131 ft** | 32,728 | 31,802 | 33,058 | 5 | 0 | 50,706 | 7 | 1 | 50,750 |
| **115 ft** | 31,559 | 30,633 | 31,890 | 4 | 2 | 47,311 | 7 | 0 | 47,377 |
| **98 ft** | 29,709 | 28,784 | 30,040 | 4 | 1 | 43,938 | 6 | 1 | 43,982 |

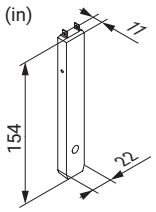
**CBS - 10,141 lb**




**CBU - 6,768 lb**




**CBY - 3,373 lb**

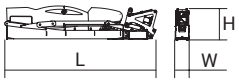
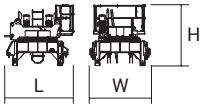
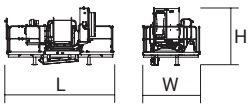
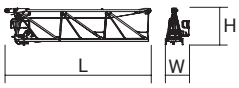
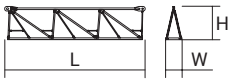
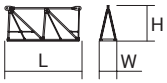
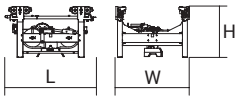
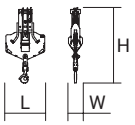
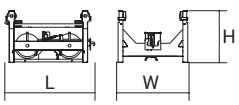
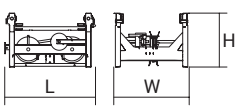
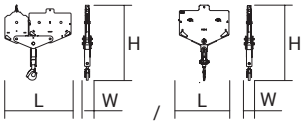


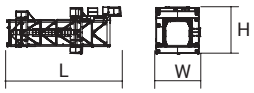
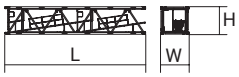
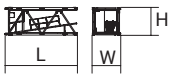
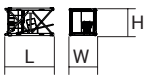
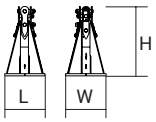
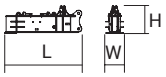
## Dimensions and weight

Slewing crane part - : 246 ft - - 90 HPL™

x 6

x 6

| Slewing crane part | | | L (ft) | W (ft) | H (ft) | lb (+/- 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 | 6.6 ft<br>8 ft | 9.7<br>10.7 | 8.1<br>8.2 | 8.2<br>9 | 16,799<br>19,180 |
|  | Hoisting winch (+ rope) | 90 HPL™<br>132 HPL™ | 14<br>15.9 | 7.5<br>7.5 | 7.6<br>8.3 | 9,017<br>15,146 |
|  | Jib section | ①<br>6 DVF | 35.3 | 5.9 | 9 | 12,015 |
|  | 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 | 17.6 USt | 6.7 | 5 | 3.6 | 1,063 |
|  | Pulley block | 17.6 USt | 4.6 | 1.5 | 7.3 | 1,301 |
|  | Trolley | 17.6 USt | 5.8 | 5 | 3.4 | 551 |
|  | Trolley | 17.6 USt<br>8.8 USt | 5.8<br>6 | 5<br>5 | 3.4<br>3.4 | 668<br>668 |
|  | Pulley block | 17.6 USt<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 (+/- 5%) |
|---|---|---|---|---|---|---|
|  | T 61<br>T 851 | ⍁ 6.6 ft<br>⍁ 8 ft | 35.5<br>36.7 | 13.6<br>15.9 | 14.7<br>19 | 21,385<br>34,723 |
|  | K 649B<br>KM 649E<br>KRM 6410B<br>KRM 849B<br>K 85/KR 84B2<br>KM 850.10B<br>KM 850.14B | ⍁ 6.6 ft<br>⍁ 6.6 ft<br>⍁ 6.6 ft<br>⍁ 8 ft<br>⍁ 8 ft<br>⍁ 8 ft<br>⍁ 8 ft | 33.6<br>33.8<br>33.6<br>33.6<br>33.6<br>33.9<br>33.9 | 6.8<br>6.7<br>6.9<br>8.4<br>8.3<br>8.3<br>8.3 | 6.7<br>6.7<br>6.8<br>8.3<br>8.2<br>8.2<br>8.2 | 11,663<br>10,692<br>15,653<br>17,196<br>21,242<br>22,201<br>24,670 |
|  | K 649A<br>KMT 649A<br>KR 649A<br>KRMT 649A<br>K 849A<br>KMT 849A<br>KR 849A<br>KRMT 849A<br>K 85/KR 84A2<br>KMT 850.10A<br>KMT 850.14A | ⍁ 6.6 ft<br>⍁ 6.6 ft<br>⍁ 6.6 ft<br>⍁ 6.6 ft<br>⍁ 8 ft<br>⍁ 8 ft<br>⍁ 8 ft<br>⍁ 8 ft<br>⍁ 8 ft<br>⍁ 8 ft<br>⍁ 8 ft | 17.2<br>17.2<br>17.2<br>17.2<br>17.2<br>17.2<br>17.2<br>17.2<br>17.2<br>17.5<br>17.5 | 6.8<br>6.8<br>6.9<br>6.9<br>8.3<br>8.4<br>8.3<br>8.4<br>8.3<br>8.3<br>8.3 | 6.7<br>6.7<br>6.8<br>6.8<br>8.2<br>8.3<br>8.2<br>8.3<br>8.2<br>8.2<br>8.2 | 6,184<br>5,666<br>7,165<br>6,724<br>7,496<br>6,945<br>9,458<br>9,017<br>12,236<br>12,015<br>13,206 |
|  | KRMT 649C<br>KRMT 849C<br>KMT 850.10C | ⍁ 6.6 ft<br>⍁ 8 ft<br>⍁ 8 ft | 11.7<br>11.7<br>12 | 6.9<br>8.4<br>8.3 | 6.8<br>8.3<br>8.2 | 5,401<br>7,066<br>9,326 |
|  | Fixing angles | P 63A / P 800C<br>P 854A | 2.5<br>3 | 2.5<br>3 | 4.2<br>4.9 | 1,025<br>2,072 |
|  | 1/2 Cross girder | ZX 640<br>ZY 800<br>ZY 854 | 14.3<br>18.6<br>18.7 | 3.3<br>3.2<br>3.2 | 5.1<br>6.3<br>7.4 | 7,319<br>10,406<br>14,176 |
|  | Cross girder | ZX 640<br>ZY 800<br>ZY 854 | 30<br>39.2<br>39 | 3.9<br>4.6<br>4.7 | 5.1<br>6.3<br>7.4 | 15,168<br>22,212<br>30,865 |

## Mechanisms

| 480 V - 60 Hz | | | | | | | | | | | hp | kW | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 90 HPL™ 40 | fpm | 133 | 174 | 249 | 366 | 548 | 69 | 90 | 130 | 190 | 274 | 90 | 66 | 1,768 ft |
| | | USt | 8.8 | 6.6 | 4.4 | 2.2 | 0.6 | 17.6 | 13.2 | 8.8 | 4.4 | 1.5 | | | |
| | 132 HPL™ 40 | fpm | 198 | 259 | 363 | 525 | 671 | 102 | 135 | 189 | 269 | 336 | 132 | 98 | 3,740 ft |
| | | USt | 8.8 | 6.6 | 4.4 | 2.2 | 0.8 | 17.6 | 13.2 | 8.8 | 4.4 | 2 | | | |
| | 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 → 0.9 | | | | | | | | | | 2 x 10 | 2 x 7.5 | |
| | | | | | | | | | | | | | | | |

| IEC 60204-32 | kVA |
|---|---|
| 480 V (+6% -10%) 60 Hz | 90 HPL™: 96 → 60 kVA<br>132 HPL™: 130 → 77 kVA |

The reactions and mast compositions presented in this data sheet meet the specifications of EN 14439:2025 and ASME B30.3-2025 standards.
The “out of service” wind profile is determined in accordance with ASCE 7-22 and ASCE 37-25 specifications as follow:
The “standard” design wind is determined from an ultimate reference wind speed of 115 mph (185 kph) corresponding to an average recurrence interval of 700 years, calculated for an Exposure C category, and combined with a 0.85 reduction factor based on the assumption that the crane is considered as a temporary construction structure used for 2 years or less.
As a result, this “standard” wind profile is covered by the EN 14439:2025 C25 wind profile, which is used to determine all technical data provided in this document.

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

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

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