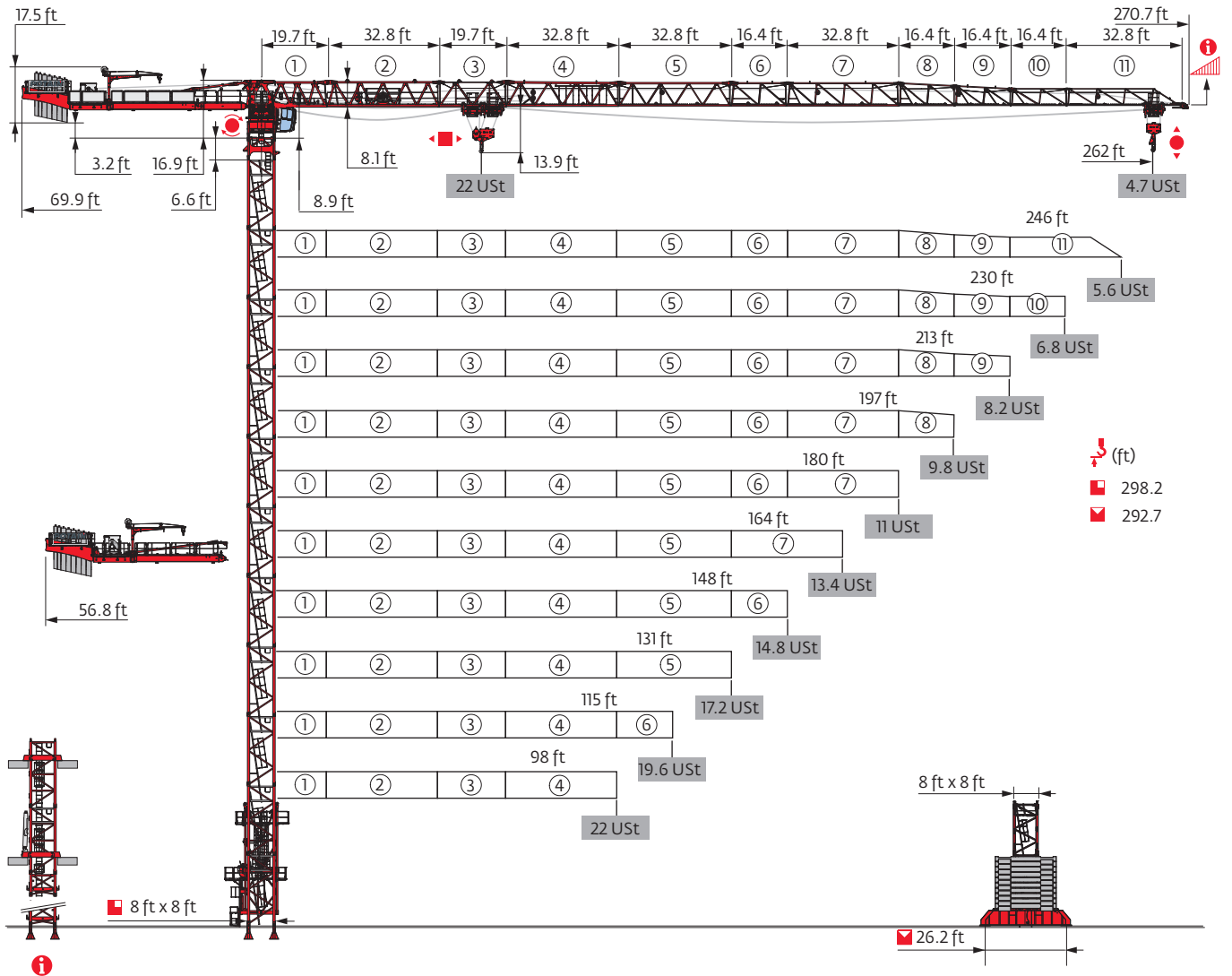


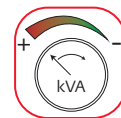
MDT 569 M20



Potain Plus



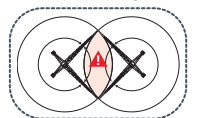
Power Control



Top Site



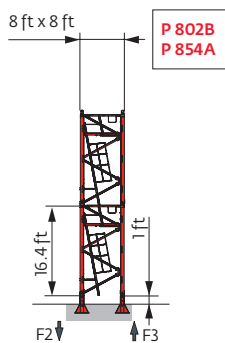
Top Tracing 3



Mast - Reactions

| 8 ft - P 802B | | | | | | | | | | | |
|----------------------------|---------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
| Height (ft) | 232.6 | 227 | 227 | 221.8 | 221.8 | 216.2 | 216.2 | 216.2 | 216.2 | 216.2 | 199.8 |
| Height/P _r (ft) | 232.6 | 227 | 227 | 221.8 | 221.8 | 216.2 | 216.2 | 216.2 | 216.2 | 216.2 | 199.8 |
| Mast Section | 6.6 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 10.9 ft | 0 | 1 | 1 | 2 | 2 | 0 | 0 | 0 | 0 | 0 |
| | 16.4 ft | 14 | 13 | 13 | 12 | 12 | 13 | 13 | 13 | 13 | 12 |
| F2 (Ust) | ● | 272 | 273 | 276 | 276 | 276 | 273 | 271 | 269 | 265 | 249 |
| | ■ | 351 | 332 | 338 | 334 | 330 | 325 | 330 | 332 | 347 | 312 |
| F3 (Ust) | ● | 178 | 178 | 173 | 172 | 169 | 171 | 168 | 168 | 163 | 150 |
| | ■ | 268 | 246 | 247 | 240 | 234 | 234 | 238 | 241 | 255 | 223 |


| 8 ft - P 854A | | | | | | | | | | | |
|----------------------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
| Height (ft) | 298.2 | 298.2 | 298.2 | 292.7 | 298.2 | 292.7 | 292.7 | 292.7 | 287.4 | 281.8 | 276.3 |
| Height/P _r (ft) | 298.2 | 298.2 | 298.2 | 292.7 | 292.7 | 287.4 | 287.4 | 287.4 | 287.4 | 281.8 | 276.3 |
| Mast Section | 6.6 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 10.9 ft | 0 | 0 | 0 | 1 | 0 | 1 | 1 | 1 | 2 | 0 |
| | 16.4 ft | 18 | 18 | 18 | 17 | 18 | 17 | 17 | 17 | 16 | 17 |
| F2 (Ust) | ● | 344 | 350 | 353 | 351 | 348 | 346 | 347 | 348 | 351 | 344 |
| | ■ | 613 | 612 | 624 | 610 | 612 | 605 | 607 | 610 | 610 | 577 |
| F3 (Ust) | ● | 230 | 233 | 231 | 229 | 224 | 228 | 228 | 229 | 231 | 227 |
| | ■ | 510 | 505 | 513 | 499 | 498 | 498 | 499 | 501 | 500 | 471 |




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

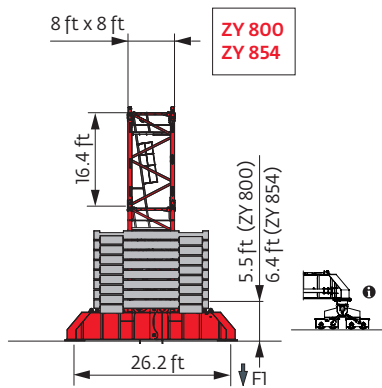
Note: When "ASCE" is noted in this data sheet it is referring to 115 mph Wind Zone, Exposure B, Design Wind Speed = 98 mph. See back cover for design wind speed calculations.

8 ft - ZY 800 - 

| Height (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
|---|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| \bar{r}_s (ft) | 215.2 | 209.7 | 220.8 | 220.8 | 215.2 | 215.2 | 209.7 | 209.7 | 209.7 | 209.7 | 198.8 |
| \bar{r}_s/P_s (ft) | 215.2 | 209.7 | 209.7 | 198.8 | 193.2 | 215.2 | 209.7 | 209.7 | 209.7 | 209.7 | 198.8 |
|  | 6.6 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 10.9 ft | 1 | 2 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 1 |
| | 16.4 ft | 12 | 11 | 13 | 13 | 12 | 12 | 11 | 11 | 11 | 11 |
| FI (Ust) | ● 147 | 146 | 151 | 153 | 148 | 152 | 150 | 150 | 155 | 151 | 153 |
| | ■ 141 | 131 | 146 | 152 | 140 | 153 | 149 | 150 | 161 | 167 | 154 |

8 ft - ZY 854 - 


| Height (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
|---|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| \bar{r}_s (ft) | 292.7 | 292.7 | 292.7 | 287.1 | 287.1 | 287.1 | 281.8 | 281.8 | 281.8 | 276.3 | 265.4 |
| \bar{r}_s/P_s (ft) | 292.7 | 292.7 | 292.7 | 287.1 | 287.1 | 287.1 | 281.8 | 281.8 | 281.8 | 276.3 | 265.4 |
|  | 6.6 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 10.9 ft | 2 | 2 | 2 | 0 | 0 | 1 | 1 | 1 | 2 | 1 |
| | 16.4 ft | 16 | 16 | 16 | 17 | 17 | 17 | 16 | 16 | 16 | 15 |
| FI (Ust) | ● 221 | 222 | 226 | 221 | 220 | 223 | 218 | 218 | 225 | 219 | 207 |
| | ■ 309 | 311 | 320 | 303 | 304 | 309 | 300 | 303 | 313 | 308 | 281 |




Anchorage





Base ballast

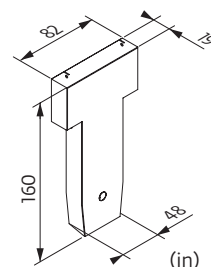
| ⚠ (Ust) / 8 ft - ZY 800 -  | | | | | | | | | | | |
|---|------|------|------|------|------|------|------|------|-------|-------|-------|
| ⚠ (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
| 220.8 | | | 79.4 | 79.4 | | | | | | | |
| 215.2 | 79.4 | | 79.4 | 79.4 | 66.1 | 79.4 | | | | | |
| 209.7 | 79.4 | 79.4 | 79.4 | 66.1 | 66.1 | 66.1 | 79.4 | 79.4 | 105.8 | 105.8 | |
| 198.8 | 79.4 | 79.4 | 66.1 | 66.1 | 66.1 | 66.1 | 79.4 | 79.4 | 92.6 | 105.8 | 119.1 |
| 182.4 | 66.1 | 66.1 | 66.1 | 52.9 | 66.1 | 66.1 | 79.4 | 79.4 | 92.6 | 92.6 | 105.8 |
| 166 | 52.9 | 66.1 | 52.9 | 52.9 | 66.1 | 66.1 | 79.4 | 79.4 | 92.6 | 92.6 | 105.8 |
| 149.6 | 52.9 | 52.9 | 52.9 | 39.7 | 66.1 | 66.1 | 79.4 | 66.1 | 92.6 | 92.6 | 105.8 |
| 133.2 | 39.7 | 52.9 | 39.7 | 39.7 | 52.9 | 52.9 | 79.4 | 66.1 | 79.4 | 79.4 | 92.6 |
| 116.8 | 39.7 | 39.7 | 39.7 | 39.7 | 52.9 | 52.9 | 79.4 | 66.1 | 79.4 | 79.4 | 92.6 |
| 100.4 | 39.7 | 39.7 | 39.7 | 39.7 | 52.9 | 52.9 | 79.4 | 66.1 | 79.4 | 79.4 | 92.6 |
| 84 | 39.7 | 39.7 | 39.7 | 39.7 | 52.9 | 52.9 | 79.4 | 66.1 | 66.1 | 79.4 | 79.4 |
| 67.6 | 39.7 | 39.7 | 39.7 | 39.7 | 52.9 | 52.9 | 79.4 | 66.1 | 66.1 | 66.1 | 79.4 |

| ⚠ (Ust) / 8 ft - ZY 854 -  | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| ⚠ (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 | 262 |
| 292.7 | 224.9 | 211.6 | 211.6 | | | | | | | | |
| 287.1 | 198.4 | 185.2 | 185.2 | 198.4 | 185.2 | 211.6 | | | | | |
| 281.8 | 185.2 | 172 | 172 | 185.2 | 172 | 198.4 | 198.4 | 198.4 | 224.9 | | |
| 276.3 | 172 | 158.7 | 158.7 | 158.7 | 158.7 | 185.2 | 185.2 | 185.2 | 211.6 | 224.9 | |
| 265.4 | 145.5 | 132.3 | 132.3 | 132.3 | 119.1 | 145.5 | 145.5 | 158.7 | 172 | 185.2 | 185.2 |
| 249 | 105.8 | 92.6 | 92.6 | 92.6 | 79.4 | 105.8 | 105.8 | 105.8 | 119.1 | 132.3 | 132.3 |
| 232.6 | 92.6 | 92.6 | 79.4 | 79.4 | 66.1 | 79.4 | 79.4 | 79.4 | 92.6 | 92.6 | 105.8 |
| 216.2 | 79.4 | 79.4 | 66.1 | 66.1 | 66.1 | 66.1 | 79.4 | 79.4 | 92.6 | 92.6 | 105.8 |
| 199.8 | 66.1 | 66.1 | 66.1 | 52.9 | 52.9 | 52.9 | 66.1 | 66.1 | 92.6 | 92.6 | 105.8 |
| 183.4 | 52.9 | 52.9 | 52.9 | 39.7 | 52.9 | 52.9 | 66.1 | 66.1 | 92.6 | 92.6 | 105.8 |
| 167 | 52.9 | 52.9 | 52.9 | 39.7 | 52.9 | 52.9 | 66.1 | 66.1 | 79.4 | 79.4 | 92.6 |
| 150.6 | 39.7 | 39.7 | 39.7 | 39.7 | 52.9 | 52.9 | 66.1 | 66.1 | 79.4 | 79.4 | 92.6 |
| 134.2 | 39.7 | 39.7 | 26.5 | 39.7 | 52.9 | 52.9 | 66.1 | 52.9 | 79.4 | 79.4 | 92.6 |
| 117.8 | 26.5 | 39.7 | 26.5 | 26.5 | 52.9 | 52.9 | 66.1 | 52.9 | 66.1 | 66.1 | 79.4 |
| 101.4 | 26.5 | 39.7 | 26.5 | 26.5 | 52.9 | 52.9 | 66.1 | 52.9 | 66.1 | 66.1 | 79.4 |
| 85 | 26.5 | 39.7 | 26.5 | 26.5 | 52.9 | 52.9 | 66.1 | 52.9 | 66.1 | 66.1 | 79.4 |
| 68.6 | 26.5 | 39.7 | 26.5 | 26.5 | 52.9 | 52.9 | 66.1 | 52.9 | 52.9 | 66.1 | 66.1 |

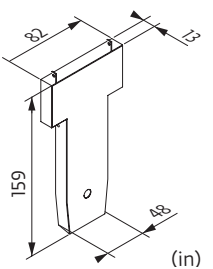
Counter-jib ballast

| ⚠ (ft) | 100 LVF / 132 HPL™  | | | 180 HPL™ GH  | | |
|--------|--|-----------|---------|---|-----------|---------|
| | 14,551 lb | 10,362 lb | ⚠ (lb) | 14,551 lb | 10,362 lb | ⚠ (lb) |
| 262 ft | 5 | 2 | 93,476 | 6 | 0 | 87,303 |
| 246 ft | 4 | 3 | 89,287 | 5 | 1 | 83,114 |
| 230 ft | 4 | 3 | 89,287 | 5 | 1 | 83,114 |
| 213 ft | 4 | 3 | 89,287 | 5 | 1 | 83,114 |
| 197 ft | 6 | 0 | 87,303 | 4 | 2 | 78,925 |
| 180 ft | 5 | 1 | 83,114 | 3 | 3 | 74,737 |
| 164 ft | 6 | 2 | 108,027 | 7 | 0 | 101,854 |
| 148 ft | 7 | 0 | 101,854 | 5 | 2 | 93,476 |
| 131 ft | 5 | 2 | 93,476 | 6 | 0 | 87,303 |
| 115 ft | 5 | 1 | 83,114 | 4 | 2 | 78,925 |
| 98 ft | 3 | 3 | 74,737 | 4 | 1 | 68,564 |

CCP - 14,551 lb



CCQ - 10,362 lb



Load curves



| ▽▽▽▽▽ (ft) | | 56 | 66 | 82 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | 154 | 164 | 171 | 180 | 187 | 197 | 203 | 213 | 220 | 230 | 236 | 246 | 253 | 262 | ft |
|------------|--------------|----|----|------|------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----------|
| | 22 USt | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 USt | | | | | | | | | | | | | | | | | | | | | | | | | |
| 262 | 14.8 → 67 | 22 | 22 | 17.2 | 13.7 | 12.6 | 11.2 | 11 | 10.8 | 10.2 | 9.4 | 8.9 | 8.2 | 7.8 | 7.3 | 7 | 6.5 | 6.3 | 5.9 | 5.6 | 5.3 | 5.1 | 4.8 | 4.7 | 4.4 | USt |
| | 14.8 → 72.3 | 22 | 22 | 19 | 15.1 | 13.9 | 12.3 | 11.5 | 11 | 11 | 10.3 | 9.8 | 9.1 | 8.6 | 8 | 7.7 | 7.1 | 6.8 | 6.4 | 6.1 | 5.9 | 5.6 | 5.4 | 5.1 | USt | P+ |
| 246 | 14.8 → 69 | 22 | 22 | 17.9 | 14.3 | 13.2 | 11.7 | 11 | 11 | 10.6 | 9.7 | 9.2 | 8.6 | 8.2 | 7.6 | 7.3 | 6.8 | 6.5 | 6.1 | 5.9 | 5.6 | 5.4 | 5.1 | USt | | |
| | 14.8 → 74.7 | 22 | 22 | 19.7 | 15.7 | 14.5 | 12.9 | 12 | 11 | 11 | 10.7 | 10.2 | 9.4 | 9 | 8.4 | 8 | 7.5 | 7.2 | 6.8 | 6.5 | 6.1 | 5.9 | 5.6 | USt | P+ | |
| 230 | 14.8 → 78.3 | 22 | 22 | 20.9 | 16.8 | 15.5 | 13.9 | 12.9 | 11.7 | 11 | 11 | 10.8 | 10 | 9.6 | 8.9 | 8.5 | 8 | 7.7 | 7.3 | 7 | 6.6 | USt | | | | |
| | 14.8 → 84.8 | 22 | 22 | 22 | 18.4 | 17 | 15.2 | 14.2 | 12.9 | 12.1 | 11 | 11 | 10.7 | 10.2 | 9.5 | 9 | 8.4 | 8.1 | 7.5 | 7.2 | 6.8 | USt | P+ | | | |
| 213 | 14.8 → 85.7 | 22 | 22 | 22 | 18.7 | 17.3 | 15.5 | 14.5 | 13.2 | 12.4 | 11.3 | 11 | 11 | 10.7 | 10 | 9.6 | 9 | 8.6 | 8.2 | USt | | | | | | |
| | 14.8 → 92.6 | 22 | 22 | 22 | 20.4 | 18.8 | 16.7 | 15.5 | 13.9 | 13 | 11.9 | 11.2 | 11 | 11 | 10.2 | 9.7 | 9.1 | 8.7 | 8.2 | USt | P+ | | | | | |
| 197 | 14.8 → 90.4 | 22 | 22 | 22 | 19.9 | 18.5 | 16.6 | 15.5 | 14.1 | 13.2 | 12.1 | 11.5 | 11 | 11 | 10.6 | 10.2 | 9.6 | USt | | | | | | | | |
| | 14.8 → 94.8 | 22 | 22 | 22 | 21.1 | 19.5 | 17.4 | 16.2 | 14.7 | 13.8 | 12.6 | 11.9 | 11 | 11 | 10.9 | 10.5 | 9.8 | USt | P+ | | | | | | | |
| 180 | 14.8 → 93.1 | 22 | 22 | 22 | 20.6 | 19.1 | 17.2 | 16.1 | 14.6 | 13.7 | 12.6 | 11.9 | 11 | 11 | USt | | | | | | | | | | | |
| | 14.8 → 97.2 | 22 | 22 | 22 | 21.7 | 20 | 17.8 | 16.6 | 15 | 14.1 | 12.8 | 12.1 | 11.1 | 11 | 11 | USt | P+ | | | | | | | | | |
| 164 | 14.8 → 99.5 | 22 | 22 | 22 | 22 | 20.7 | 18.6 | 17.4 | 15.8 | 14.9 | 13.7 | 13 | 12 | USt | | | | | | | | | | | | |
| | 14.8 → 101.9 | 22 | 22 | 22 | 22 | 21.3 | 19.3 | 18.1 | 16.6 | 15.7 | 14.5 | 13.7 | 12.8 | USt | P+ | | | | | | | | | | | |
| 148 | 14.8 → 99.9 | 22 | 22 | 22 | 22 | 20.8 | 18.7 | 17.5 | 15.9 | 15 | 13.8 | USt | | | | | | | | | | | | | | |
| | 14.8 → 100.2 | 22 | 22 | 22 | 22 | 20.9 | 18.9 | 17.8 | 16.2 | 15.4 | 14.2 | USt | P+ | | | | | | | | | | | | | |
| 131 | 14.8 → 100.2 | 22 | 22 | 22 | 22 | 20.9 | 18.8 | 17.6 | 16 | USt | | | | | | | | | | | | | | | | |
| | 14.8 → 101.8 | 22 | 22 | 22 | 22 | 21.3 | 19.3 | 18.1 | 16.5 | USt | P+ | | | | | | | | | | | | | | | |
| 115 | 14.8 → 101.3 | 22 | 22 | 22 | 22 | 21.1 | 19 | USt | | | | | | | | | | | | | | | | | | |
| | 14.8 → 101.3 | 22 | 22 | 22 | 22 | 21.1 | 19 | USt | P+ | | | | | | | | | | | | | | | | | |
| 98 | 14.8 → 98.4 | 22 | 22 | 22 | 22 | USt | | | | | | | | | | | | | | | | | | | | |
| | 14.8 → 98.4 | 22 | 22 | 22 | 22 | USt | P+ | | | | | | | | | | | | | | | | | | | |

$$U_{\text{valley}} = U_{\text{peak}} - 1.58 \text{ USt max.}$$





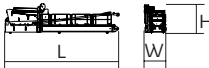
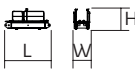
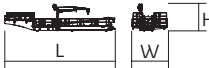

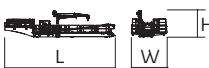

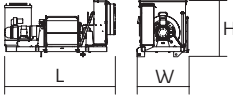




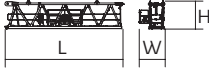


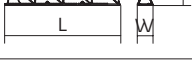

| ▽▽▽▽▽ (ft) | | 56 | 66 | 82 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | 154 | 164 | 171 | 180 | 187 | 197 | 203 | 213 | 220 | 230 | 236 | 246 | 253 | 262 | ft |
|------------|--------------|----|----|------|------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|------|-----------|-----|-----------|-----|-----------|-----|-----------|-----|-----------|-----|
| | 22 USt | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 11 USt | | | | | | | | | | | | | | | | | | | | | | | | | |
| 262 | 13.1 → 68.4 | 22 | 22 | 17.8 | 14.3 | 13.2 | 11.8 | 11 | 10.2 | 9.6 | 8.8 | 8.3 | 7.6 | 7.2 | 6.7 | 6.4 | 5.9 | 5.7 | 5.3 | 5 | 4.7 | 4.5 | 4.2 | 4.1 | 3.8 | USt |
| | 13.1 → 73.7 | 22 | 22 | 19.5 | 15.6 | 14.4 | 12.9 | 12 | 11 | 10.4 | 9.7 | 9.2 | 8.4 | 8 | 7.4 | 7.1 | 6.5 | 6.2 | 5.8 | 5.5 | 5.1 | 4.9 | 4.5 | 4.3 | 4.1 | USt |
| 246 | 13.1 → 70.5 | 22 | 22 | 18.5 | 14.8 | 13.7 | 12.3 | 11.5 | 10.7 | 10 | 9.2 | 8.7 | 8 | 7.6 | 7.1 | 6.7 | 6.3 | 6 | 5.6 | 5.4 | 5 | 4.8 | 4.5 | USt | | |
| | 13.1 → 76.2 | 22 | 22 | 20.2 | 16.2 | 15 | 13.4 | 12.5 | 11.3 | 11 | 10.1 | 9.6 | 8.9 | 8.4 | 7.8 | 7.4 | 6.9 | 6.6 | 6.2 | 5.9 | 5.6 | 5.3 | 5 | USt | P+ | |
| 230 | 13.1 → 79.6 | 22 | 22 | 21.3 | 17.2 | 16 | 14.3 | 13.4 | 12.2 | 11.5 | 10.8 | 10.3 | 9.5 | 9 | 8.4 | 8 | 7.5 | 7.2 | 6.8 | 6.5 | 6.1 | USt | | | | |
| | 13.1 → 86.7 | 22 | 22 | 22 | 19 | 17.6 | 15.8 | 14.8 | 13.4 | 12.6 | 11.5 | 11 | 10.3 | 9.7 | 9 | 8.6 | 8 | 7.6 | 7.1 | 6.8 | 6.4 | USt | P+ | | | |
| 213 | 13.1 → 87.5 | 22 | 22 | 22 | 19.2 | 17.9 | 16.1 | 15 | 13.7 | 12.9 | 11.9 | 11.3 | 10.7 | 10.2 | 9.5 | 9.1 | 8.6 | 8.2 | 7.7 | USt | | | | | | |
| | 13.1 → 94.9 | 22 | 22 | 22 | 21 | 19.4 | 17.3 | 16.1 | 14.6 | 13.7 | 12.5 | 11.8 | 11 | 10.6 | 9.8 | 9.3 | 8.7 | 8.3 | 7.8 | USt | P+ | | | | | |
| 197 | 13.1 → 93.1 | 22 | 22 | 22 | 20.7 | 19.2 | 17.3 | 16.2 | 14.8 | 13.9 | 12.8 | 12.2 | 11.3 | 11 | 10.3 | 9.9 | 9.3 | USt | | | | | | | | |
| | 13.1 → 97.2 | 22 | 22 | 22 | 21.7 | 20.1 | 18 | 16.8 | 15.3 | 14.4 | 13.2 | 12.5 | 11.6 | 11 | 10.5 | 10.1 | 9.4 | USt | P+ | | | | | | | |
| 180 | 13.1 → 95.9 | 22 | 22 | 22 | 21.4 | 19.9 | 17.9 | 16.8 | 15.3 | 14.4 | 13.3 | 12.6 | 11.7 | 11.1 | 10.7 | USt | | | | | | | | | | |
| | 13.1 → 99.6 | 22 | 22 | 22 | 22 | 20.6 | 18.5 | 17.2 | 15.6 | 14.7 | 13.4 | 12.7 | 11.7 | 11.1 | 11 | USt | P+ | | | | | | | | | |
| 164 | 13.1 → 103.8 | 22 | 22 | 22 | 22 | 21.8 | 19.6 | 18.4 | 16.8 | 15.9 | 14.6 | 13.9 | 12.9 | USt | | | | | | | | | | | | |
| | 13.1 → 104.4 | 22 | 22 | 22 | 22 | 21.9 | 19.9 | 18.7 | 17.2 | 16.3 | 15.1 | 14.3 | 13.4 | USt | P+ | | | | | | | | | | | |
| 148 | 13.1 → 102.3 | 22 | 22 | 22 | 22 | 21.4 | 19.3 | 18.1 | 16.5 | 15.6 | 14.4 | USt | | | | | | | | | | | | | | |
| | 13.1 → 102.7 | 22 | 22 | 22 | 22 | 21.5 | 19.5 | 18.4 | 16.9 | 16 | 14.8 | USt | P+ | | | | | | | | | | | | | |
| 131 | 13.1 → 102.6 | 22 | 22 | 22 | 22 | 21.5 | 19.4 | 18.2 | 16.6 | USt | | | | | | | | | | | | | | | | |
| | 13.1 → 104.3 | 22 | 22 | 22 | 22 | 21.9 | 19.9 | 18.7 | 17.2 | USt | P+ | | | | | | | | | | | | | | | |
| 115 | 13.1 → 103.7 | 22 | 22 | 22 | 22 | 21.7 | 19.6 | USt | | | | | | | | | | | | | | | | | | |
| | 13.1 → 103.8 | 22 | 22 | 22 | 22 | 21.8 | 19.6 | USt | P+ | | | | | | | | | | | | | | | | | |
| 98 | 13.1 → 98.4 | 22 | 22 | 22 | 22 | USt | | | | | | | | | | | | | | | | | | | | |
| | 13.1 → 98.4 | 22 | 22 | 22 | 22 | USt | P+ | | | | | | | | | | | | | | | | | | | |

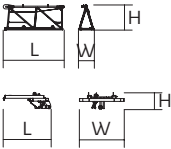
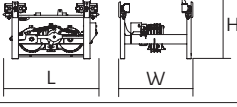
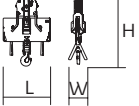
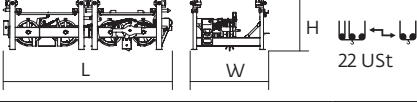
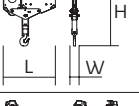
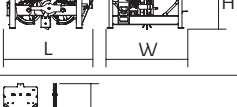
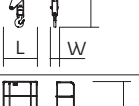




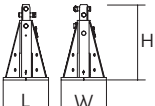

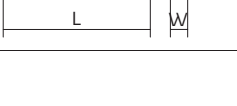
$$U_{\text{valley}} = U_{\text{peak}} - 0.71 \text{ USt max.}$$

Dimensions and weight

Slewing crane part:  262 ft -  -  -  100 LVF



| Slewing crane part | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) | | |
|--------------------|---|---|---|----------------------|----------------------|----------------------------|----------------------------|
| Counter-jib |  | 39.4 | 7.2 | 8.2 | 29,690 | | |
| |  | 39.4 | 7.2 | 8.2 | 39,432 | | |
| |  | 39.1 | 7.2 | 9.2 | 29,573 | | |
| |  | 15 | 5.3 | 6.6 | 9,590 | | |
| |  | 100 LVF 132 HPL™ 180 HPL™ GH | 53.3 53.3 53.3 | 17 18.6 21.9 | 12.9 12.9 12.9 | 32,747 32,902 34,458 | |
| |  | 100 LVF 132 HPL™ 180 HPL™ GH | 66.5 66.5 66.5 | 17 18.6 21.9 | 12.9 12.9 12.9 | 42,044 42,199 43,343 | |
| |  | 100 LVF 132 HPL™ | 53.3 53.3 | 17 18.6 | 12.9 12.9 | 43,362 45,825 | |
| |  | 100 LVF 132 HPL™ | 66.5 66.5 | 17 18.6 | 12.9 12.9 | 52,659 55,122 | |
| | Hoisting winch (+ rope) |  | 100 LVF 132 HPL™ 180 HPL™ GH | 11.3 12.4 15.8 | 5.2 6.1 6.3 | 5.7 6.2 6.5 | 10,615 12,923 19,282 |
| | | Cab |  | Ultra View | 11 | 7.5 | 8.2 |
| Towerhead | | |  | ∇ 8 ft | 8.8 | 8.2 | 9.9 |
| |  | | 21.9 | 8.2 | 9.9 | 34,480 | |
| Jib section |  | ① | 25.3 | 5.1 | 8.1 | 19,103 | |
| |  | ② | 34 | 7.4 | 8.1 | 18,122 | |
| |  | ③ | 20.9 | 4.5 | 8 | 7,154 | |
| |  | ④ | 34.1 | 4.5 | 7.8 | 9,466 | |
| |  | ⑤ ⑦ | 34.1 33.6 | 4.5 4.5 | 7.3 7.2 | 7,115 4,991 | |
| |  | ⑪ | 33.1 | 4.5 | 5.1 | 1,825 | |

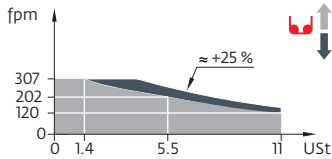
| | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|--|---|--|--|--|--|
| Jib section |  | 17.6 | 4.5 | 7.3 | 3,007 |
| | | 17.4 | 4.5 | 7 | 1,719 |
| | | 17.1 | 4.5 | 6.1 | 1,464 |
| | | 17 | 4.5 | 5.2 | 1,246 |
| | 5.5 | 5.2 | 1.9 | 575 | |
| Trolley |  | 7.3 | 5.7 | 4.7 | 1,676 |
| Pulley block |  | 5.1 | 1.9 | 8 | 1,874 |
| Trolley |  | 12.5 | 5.6 | 4.1 | 2,469 |
| Pulley block |  | 6.3 | 1.1 | 7.7 | 2,028 |
| Trolley |  | 6.6 | 5.6 | 4.1 | 1,323 |
| Pulley block |  | 4.1 | 1.1 | 8.5 | 1,345 |
| Trolley inspection platform |  | 3.1 | 3.4 | 7 | 125 |
| Crane tower | | | | | |
| T 851 |  | 36.7 | 15.9 | 19 | 34,723 |
| K 84/K 84-2 |  | 7.3 | 10.6 | 8.2 | 6,724 |
| K 85/KR 84B2 KM 850.10B KM 850.14B K 85/KR 84A2 KMT 850.10A KMT 850.14A K 849A KMT 849A KR 849A KRMT 849A KRMT 849C KMT 850.10C |  | 33.6 33.9 33.9 17.2 17.5 17.5 17.2 17.2 17.2 17.2 11.7 12 | 8.3 8.3 8.3 8.3 8.3 8.3 8.3 8.4 8.3 8.4 8.4 8.3 | 8.2 8.2 8.2 8.2 8.2 8.2 8.2 8.3 8.2 8.3 8.3 8.2 | 21,242 22,201 24,670 12,236 12,015 13,206 7,496 6,945 9,458 9,017 7,066 9,326 |
| Fixing angles |  | 2.5 3 | 2.5 3 | 4.2 4.9 | 1,025 2,072 |
| 1/2 Cross girder |  | 18.6 18.6 | 3.2 3.2 | 6.3 7.4 | 10,406 13,095 |
| Cross girder |  | 39.2 39 | 4.6 4.7 | 6.3 7.4 | 22,212 29,432 |

Mechanisms

| 480 V - 60 Hz | | | | | | | | | | | | | hp | kW | |
|----------------|-------------------|-----|---|-----|-----|-----|-----|------|------|-----|-----|--------|---------|----------|----------|
| | 100 LVF 50 Optima | fpm | 120 | 153 | 202 | 258 | 307 | 61 | 79 | 105 | 146 | 154 | 100 | 75 | 3,340 ft |
| | | USt | 11 | 8.3 | 5.5 | 2.8 | 1.4 | 22 | 16.5 | 11 | 5.5 | 4.3 | | | |
| | 132 HPL™ 50 | fpm | 164 | 213 | 299 | 449 | 612 | 82 | 108 | 153 | 230 | 305 | 132 | 98 | 3,507 ft |
| | | USt | 11 | 8.3 | 5.5 | 2.8 | 0.7 | 22 | 16.5 | 11 | 5.5 | 2.1 | | | |
| 180 HPL™ 50 GH | fpm | 210 | 256 | 333 | 494 | 640 | 107 | 131 | 174 | 271 | 320 | 180 | 132 | 3,937 ft | |
| | USt | 11 | 8.3 | 5.5 | 2.8 | 0.9 | 22 | 16.5 | 11 | 5.5 | 3.3 | | | | |
| | 10 DVF 10 Optima | fpm | 0 → 262 (22 USt) 0 → 328 (13.8 USt) 0 → 361 (6.9 USt) | | | | | | | | | 10 | 7.4 | | |
| | RVF 174 Optima + | rpm | 0 → 0.7 | | | | | | | | | 4 x 10 | 4 x 7.5 | | |
| | | | | | | | | | | | | | | | |

| 480 V (+6% -10%) 60 Hz | 100 LVF : 126 → 86 kVA 132 HPL™ : 152 → 99 kVA 180 HPL™ GH : 190 → 118 kVA | |
|------------------------|--|--|

100 LVF 50 Optima



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

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

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

