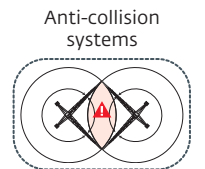
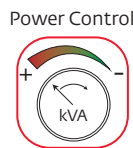
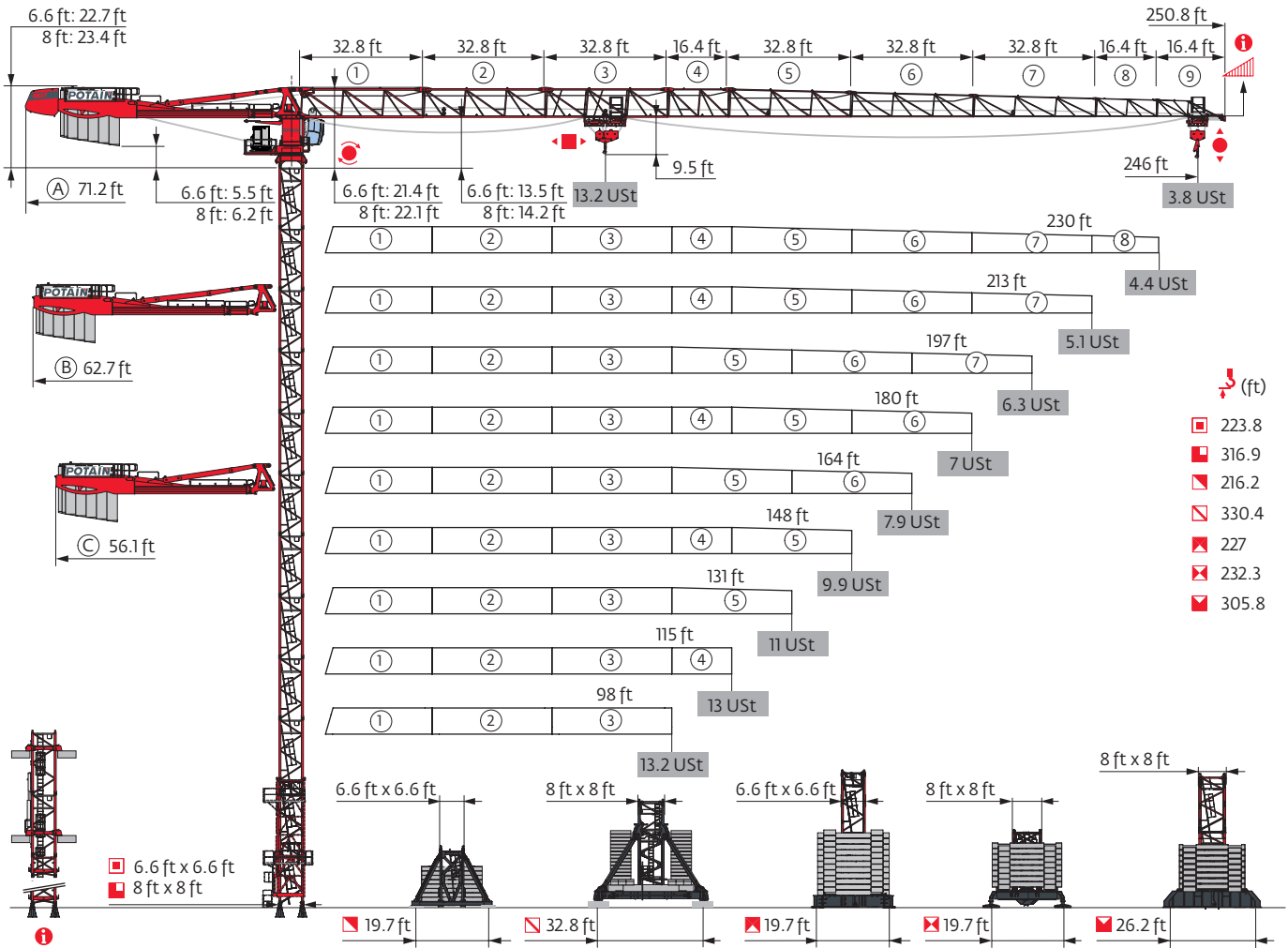


MDT 389 L12



Mast - Reactions

6.6 ft - P 63A

| Height (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
|----------------------------|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Height (ft) | 223.8 | 223.8 | 223.8 | 218.5 | 218.5 | 218.5 | 218.5 | 218.5 | 212.9 | 212.9 |
| Height/P _r (ft) | 223.8 | 202.1 | 202.1 | 207.4 | 218.5 | 207.4 | 218.5 | 218.5 | 212.9 | 212.9 |
| 10.9 ft | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 16.4 ft | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 10 | 10 |
| 32.8 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| F2 (Ust) | ● 219 ■ 287 | 228 293 | 227 293 | 223 274 | 230 282 | 224 283 | 224 287 | 228 295 | 230 289 | 232 296 |
| F3 (Ust) | ● 155 ■ 230 | 161 233 | 159 232 | 154 211 | 160 218 | 155 220 | 155 224 | 157 230 | 159 224 | 161 232 |

6.6 ft - V 60A

| Height (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
|----------------------------|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Height (ft) | 216.2 | 216.2 | 216.2 | 216.2 | 216.2 | 216.2 | 210.6 | 205 | 205 | 205 |
| Height/P _r (ft) | 216.2 | 199.8 | 199.8 | 199.8 | 216.2 | 199.8 | 210.6 | 205 | 205 | 205 |
| 10.9 ft | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 2 |
| 16.4 ft | 12 | 12 | 12 | 12 | 12 | 12 | 11 | 10 | 10 | 10 |
| F1 (Ust) | ● 123 ■ 130 | 126 132 | 122 132 | 123 129 | 125 133 | 123 134 | 121 129 | 124 127 | 125 133 | 126 137 |

6.6 ft - ZX 640

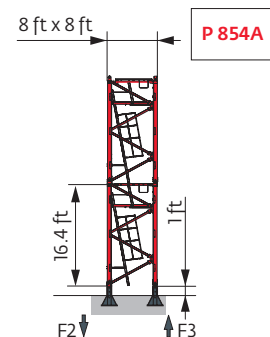
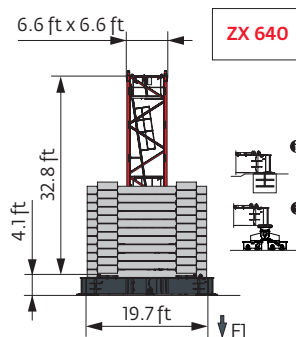
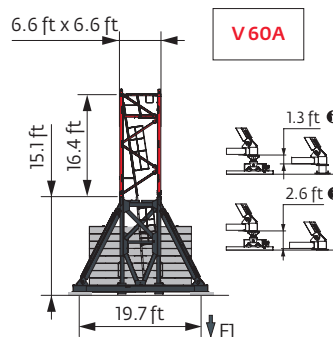
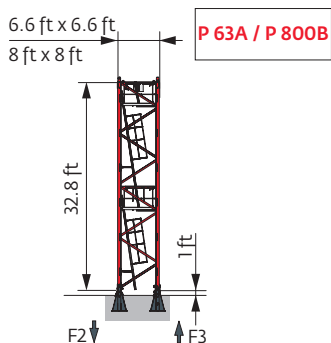
| Height (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
|----------------------------|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Height (ft) | 227 | 227 | 227 | 221.5 | 221.5 | 221.5 | 221.5 | 221.5 | 216.2 | 216.2 |
| Height/P _r (ft) | 227 | 205.1 | 205.1 | 205.1 | 221.5 | 205.1 | 221.5 | 221.5 | 216.2 | 216.2 |
| 10.9 ft | 2 | 2 | 2 | 0 | 0 | 0 | 0 | 0 | 1 | 1 |
| 16.4 ft | 10 | 10 | 10 | 11 | 11 | 11 | 11 | 11 | 10 | 10 |
| 32.8 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| F1 (Ust) | ● 133 ■ 146 | 134 149 | 134 149 | 133 139 | 136 142 | 134 143 | 134 145 | 136 150 | 136 146 | 137 151 |

8 ft - P 800B

| Height (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
|----------------------------|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Height (ft) | 267.7 | 267.7 | 267.7 | 262.1 | 262.1 | 262.1 | 262.1 | 251.3 | 251.3 | 251.3 |
| Height/P _r (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) | ● 233 ■ 398 | 244 402 | 243 403 | 239 388 | 237 394 | 238 395 | 232 398 | 233 370 | 235 378 | 237 385 |
| F3 (Ust) | ● 152 ■ 324 | 161 326 | 159 325 | 153 309 | 151 315 | 152 316 | 147 319 | 148 291 | 149 299 | 151 305 |

8 ft - P 854A

| Height (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
|----------------------------|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Height (ft) | 316.9 | 316.9 | 316.9 | 316.9 | 316.9 | 316.9 | 316.9 | 316.9 | 311.4 | 305.8 |
| Height/P _r (ft) | 316.9 | 316.9 | 316.9 | 316.9 | 316.9 | 316.9 | 316.9 | 316.9 | 311.4 | 305.8 |
| 10.9 ft | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 16.4 ft | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 19 | 18 | 17 |
| F2 (Ust) | ● 290 ■ 574 | 301 579 | 300 580 | 299 577 | 298 583 | 299 585 | 293 586 | 308 597 | 305 589 | 302 581 |
| F3 (Ust) | ● 199 ■ 489 | 205 490 | 203 489 | 201 485 | 200 492 | 199 492 | 196 496 | 208 504 | 206 496 | 203 489 |



8 ft - JM 850

| Height (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| Height (ft) | 330.4 | 330.4 | 330.4 | 330.4 | 330.4 | 324.8 | 324.8 | 319.2 | 319.2 | 314 |
| Height/P _r (ft) | 330.4 | 330.4 | 330.4 | 330.4 | 330.4 | 324.8 | 324.8 | 319.2 | 319.2 | 314 |
| 10.9 ft | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 0 |
| 16.4 ft | 18 | 18 | 18 | 18 | 18 | 17 | 17 | 16 | 16 | 17 |
| FI (Ust) | ● 161 | 166 | 166 | 166 | 166 | 162 | 160 | 162 | 163 | 154 |
| | ■ 252 | 253 | 253 | 252 | 255 | 249 | 250 | 247 | 251 | 233 |

8 ft - ZX 6830

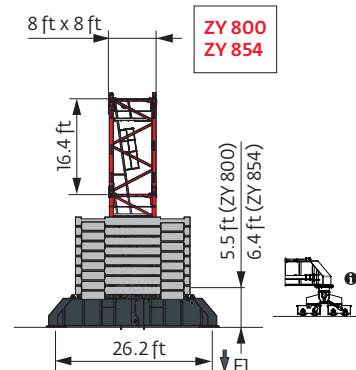
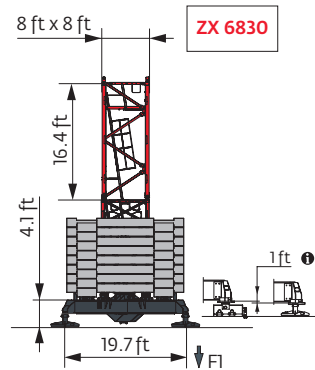
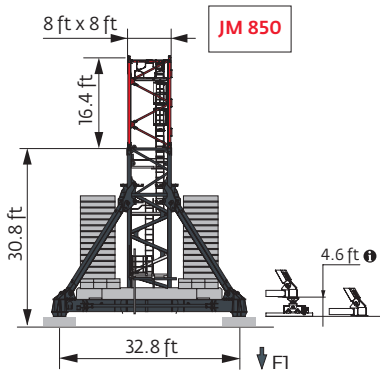
| Height (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
|----------------------------|-------|-------|-------|-------|-------|-------|-----|-----|-------|-------|
| Height (ft) | 232.3 | 232.3 | 232.3 | 232.3 | 232.3 | 232.3 | 227 | 227 | 221.5 | 221.5 |
| Height/P _r (ft) | 232.3 | 232.3 | 232.3 | 232.3 | 232.3 | 232.3 | 227 | 227 | 221.5 | 221.5 |
| 10.9 ft | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 0 | 0 |
| 16.4 ft | 13 | 13 | 13 | 13 | 13 | 13 | 12 | 12 | 13 | 13 |
| FI (Ust) | ● 142 | 147 | 147 | 145 | 147 | 148 | 141 | 146 | 143 | 144 |
| | ■ 188 | 190 | 189 | 186 | 191 | 192 | 186 | 191 | 183 | 188 |

8 ft - ZY 800

| Height (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 255.6 | 255.6 | 255.6 | 255.6 | 255.6 | 255.6 | 255.6 | 244.8 | 244.8 | 244.8 |
| Height/P _r (ft) | 255.6 | 255.6 | 255.6 | 255.6 | 255.6 | 255.6 | 255.6 | 244.8 | 244.8 | 244.8 |
| 10.9 ft | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 2 |
| 16.4 ft | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 13 | 13 | 13 |
| FI (Ust) | ● 136 | 141 | 138 | 139 | 139 | 139 | 141 | 135 | 139 | 140 |
| | ■ 187 | 188 | 188 | 186 | 192 | 192 | 195 | 185 | 191 | 196 |

8 ft - ZY 854

| Height (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| Height (ft) | 305.8 | 305.8 | 305.8 | 305.8 | 305.8 | 305.8 | 305.8 | 305.8 | 300.2 | 295 |
| Height/P _r (ft) | 305.8 | 305.8 | 305.8 | 305.8 | 305.8 | 305.8 | 305.8 | 305.8 | 300.2 | 295 |
| 10.9 ft | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 |
| 16.4 ft | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 18 | 17 | 16 |
| FI (Ust) | ● 188 | 192 | 192 | 190 | 193 | 193 | 192 | 198 | 197 | 192 |
| | ■ 284 | 283 | 283 | 282 | 288 | 289 | 294 | 298 | 297 | 292 |



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.

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

Other mast compositions - Please consult us

Anchorage

i

Base ballast

Ust) / 6.6 ft - V 60A -

| Ust) (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 | | | | |
| 210.6 | 132.3 | 119.1 | 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 | 92.6 | 105.8 | 92.6 | 105.8 | 105.8 | 105.8 |
| 172.2 | 92.6 | 105.8 | 105.8 | 105.8 | 92.6 | 92.6 | 79.4 | 92.6 | 79.4 | 79.4 |
| 155.8 | 79.4 | 105.8 | 92.6 | 92.6 | 79.4 | 92.6 | 66.1 | 66.1 | 66.1 | 66.1 |
| 139.4 | 66.1 | 92.6 | 92.6 | 92.6 | 79.4 | 79.4 | 52.9 | 52.9 | 52.9 | 66.1 |
| 123 | 66.1 | 92.6 | 92.6 | 92.6 | 79.4 | 79.4 | 52.9 | 52.9 | 52.9 | 52.9 |

Ust) / 6.6 ft - ZX 640 -

| Ust) (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 227 | 154.3 | 143.3 | 143.3 | | | | | | | |
| 221.5 | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | | |
| 216.2 | 143.3 | 132.3 | 132.3 | 132.3 | 132.3 | 132.3 | 132.3 | 132.3 | 143.3 | 143.3 |
| 199.8 | 121.3 | 121.3 | 121.3 | 121.3 | 121.3 | 110.2 | 121.3 | 110.2 | 121.3 | 121.3 |
| 183.4 | 99.2 | 110.2 | 110.2 | 110.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 167 | 88.2 | 110.2 | 110.2 | 99.2 | 88.2 | 99.2 | 77.2 | 77.2 | 88.2 | 88.2 |
| 150.6 | 66.1 | 99.2 | 99.2 | 99.2 | 77.2 | 88.2 | 66.1 | 66.1 | 66.1 | 66.1 |
| 134.2 | 55.1 | 99.2 | 88.2 | 88.2 | 66.1 | 77.2 | 55.1 | 55.1 | 55.1 | 55.1 |
| 117.8 | 55.1 | 88.2 | 88.2 | 88.2 | 66.1 | 77.2 | 55.1 | 55.1 | 44.1 | 55.1 |

Ust) / 8 ft - JM 850 -

| Ust) (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 330.4 | 198.4 | 198.4 | 198.4 | 198.4 | 198.4 | | | | | |
| 324.8 | 198.4 | 198.4 | 185.2 | 185.2 | 185.2 | 185.2 | 185.2 | | | |
| 319.2 | 185.2 | 185.2 | 185.2 | 172 | 185.2 | 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 | 132.3 | 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 | 79.4 | 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 |
| 133.5 | 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 -

| Ust) (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 | 89.3 | 78.3 | 78.3 | 78.3 | 89.3 | 89.3 | 78.3 |
| 155.8 | 67.2 | 89.3 | 89.3 | 89.3 | 67.2 | 78.3 | 56.2 | 67.2 | 67.2 | 67.2 |
| 139.4 | 56.2 | 89.3 | 89.3 | 89.3 | 67.2 | 78.3 | 56.2 | 56.2 | 45.2 | 56.2 |

Ust) / 8 ft - ZY 800 -

| Ust) (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 255.6 | 132.3 | 132.3 | 119.1 | 119.1 | 119.1 | 119.1 | 132.3 | | | |
| 244.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 119.1 | 119.1 |
| 228.4 | 79.4 | 79.4 | 79.4 | 66.1 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 92.6 |
| 211.9 | 66.1 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 66.1 |
| 195.5 | 52.9 | 52.9 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 |
| 179.1 | 39.7 | 39.7 | 39.7 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 |
| 162.7 | 26.5 | 39.7 | 26.5 | 26.5 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 146.3 | 13.2 | 39.7 | 26.5 | 26.5 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 129.9 | 13.2 | 39.7 | 26.5 | 26.5 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |

Ust) / 8 ft - ZY 854 -

| Ust) (ft) | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 | 246 |
|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 305.8 | 238.1 | 238.1 | 238.1 | 224.9 | 238.1 | 238.1 | 238.1 | 238.1 | | |
| 300.2 | 224.9 | 224.9 | 224.9 | 211.6 | 224.9 | 224.9 | 224.9 | 224.9 | 238.1 | |
| 295 | 211.6 | 211.6 | 211.6 | 198.4 | 211.6 | 211.6 | 211.6 | 224.9 | 224.9 | 224.9 |
| 278.5 | 172 | 172 | 172 | 158.7 | 172 | 172 | 172 | 172 | 185.2 | 185.2 |
| 262.1 | 132.3 | 132.3 | 132.3 | 119.1 | 132.3 | 132.3 | 132.3 | 132.3 | 145.5 | 145.5 |
| 245.7 | 105.8 | 105.8 | 105.8 | 92.6 | 92.6 | 92.6 | 92.6 | 105.8 | 105.8 | 119.1 |
| 229.3 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 79.4 | 79.4 |
| 212.9 | 52.9 | 52.9 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 52.9 | 52.9 | 52.9 |
| 196.5 | 39.7 | 39.7 | 26.5 | 26.5 | 26.5 | 26.5 | 26.5 | 39.7 | 39.7 | 39.7 |
| 180.1 | 26.5 | 26.5 | 26.5 | 26.5 | 13.2 | 13.2 | 13.2 | 26.5 | 13.2 | 13.2 |
| 163.7 ↓ | 13.2 | 26.5 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |
| 130.9 | 13.2 | 26.5 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 | 13.2 |

Load curves



| ▼▲▲▲▲ (ft) | | 72 | 89 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | 154 | 164 | 171 | 180 | 187 | 197 | 203 | 213 | 220 | 230 | 236 | 246 | ft | |
|------------|------------|-----------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| ▼▲▲▲▲ | ↔ 13.2 USt | ↔ 6.6 USt | | | | | | | | | | | | | | | | | | | | | | |
| 246 | 10 → 82 | 143 - 156 | 13.2 | 12.2 | 10.8 | 10 | 9 | 8.4 | 7.5 | 7 | 6.6 | 6.6 | 6.1 | 5.8 | 5.4 | 5.1 | 4.8 | 4.5 | 4.3 | 4.1 | 3.9 | 3.7 | 3.6 | USt |
| | 10 → 86 | 147 - 159 | 13.2 | 12.8 | 11.3 | 10.3 | 9.2 | 8.5 | 7.7 | 7.2 | 6.6 | 6.6 | 6.4 | 6.1 | 5.7 | 5.4 | 5 | 4.8 | 4.5 | 4.3 | 4.1 | 3.9 | 3.8 | USt P+ |
| 230 | 10 → 87 | 151 - 163 | 13.2 | 12.9 | 11.5 | 10.7 | 9.6 | 8.9 | 8.1 | 7.5 | 6.8 | 6.6 | 6.5 | 6.2 | 5.7 | 5.5 | 5.1 | 4.9 | 4.6 | 4.4 | 4.2 | | | USt |
| | 10 → 90 | 154 - 168 | 13.2 | 13.2 | 11.9 | 11 | 9.8 | 9.1 | 8.2 | 7.7 | 7 | 6.6 | 6.6 | 6.5 | 6 | 5.7 | 5.4 | 5.1 | 4.8 | 4.6 | 4.4 | | | USt P+ |
| 213 | 10 → 93 | 158 - 170 | 13.2 | 13.2 | 12.4 | 11.5 | 10.3 | 9.5 | 8.6 | 8 | 7.3 | 6.8 | 6.6 | 6.5 | 6.1 | 5.8 | 5.4 | 5.2 | 4.9 | | | | | USt |
| | 10 → 95 | 161 - 174 | 13.2 | 13.2 | 12.7 | 11.6 | 10.3 | 9.6 | 8.7 | 8.1 | 7.4 | 7 | 6.6 | 6.6 | 6.4 | 6.1 | 5.7 | 5.4 | 5.1 | | | | | USt P+ |
| 197 | 10 → 95 | 172 - 185 | 13.2 | 13.2 | 12.7 | 11.8 | 10.7 | 10 | 9.1 | 8.6 | 8 | 7.6 | 7 | 6.7 | 6.6 | 6.5 | 6.2 | | | | | | | USt |
| | 10 → 97 | 175 - 188 | 13.2 | 13.2 | 13 | 12.1 | 10.9 | 10.2 | 9.3 | 8.8 | 8.1 | 7.7 | 7.1 | 6.8 | 6.6 | 6.6 | 6.3 | | | | | | | USt P+ |
| 180 | 10 → 100 | | 13.2 | 13.2 | 13.2 | 12.5 | 11.3 | 10.6 | 9.7 | 9.2 | 8.5 | 8.1 | 7.5 | 7.2 | 6.7 | | | | | | | | | USt |
| | 10 → 108 | | 13.2 | 13.2 | 13.2 | 13.2 | 12.3 | 11.4 | 10.4 | 9.7 | 8.9 | 8.4 | 7.8 | 7.4 | 6.9 | | | | | | | | | USt P+ |
| 164 | 10 → 100 | | 13.2 | 13.2 | 13.2 | 12.5 | 11.3 | 10.7 | 9.8 | 9.2 | 8.5 | 8.1 | 7.6 | | | | | | | | | | | USt |
| | 10 → 105 | | 13.2 | 13.2 | 13.2 | 13.2 | 11.9 | 11.2 | 10.2 | 9.7 | 8.9 | 8.5 | 7.9 | | | | | | | | | | | USt P+ |
| 148 | 10 → 104 | | 13.2 | 13.2 | 13.2 | 13.1 | 11.9 | 11.2 | 10.2 | 9.7 | 9 | | | | | | | | | | | | | USt |
| | 10 → 114 | | 13.2 | 13.2 | 13.2 | 13.2 | 13.1 | 12.3 | 11.3 | 10.7 | 9.9 | | | | | | | | | | | | | USt P+ |
| 131 | 10 → 102 | | 13.2 | 13.2 | 13.2 | 12.9 | 11.6 | 10.9 | 10 | | | | | | | | | | | | | | | USt |
| | 10 → 111 | | 13.2 | 13.2 | 13.2 | 13.2 | 12.8 | 12 | 11 | | | | | | | | | | | | | | | USt P+ |
| 115 | 10 → 103 | | 13.2 | 13.2 | 13.2 | 13 | 11.7 | | | | | | | | | | | | | | | | | USt |
| | 10 → 112 | | 13.2 | 13.2 | 13.2 | 13.2 | 12.9 | | | | | | | | | | | | | | | | | USt P+ |
| 98 | 10 → 98 | | 13.2 | 13.2 | 13.2 | | | | | | | | | | | | | | | | | | | USt |
| | 10 → 98 | | 13.2 | 13.2 | 13.2 | | | | | | | | | | | | | | | | | | | USt P+ |

$$U_{L2} = U_{L1} - 0.74 \text{ USt max.}$$

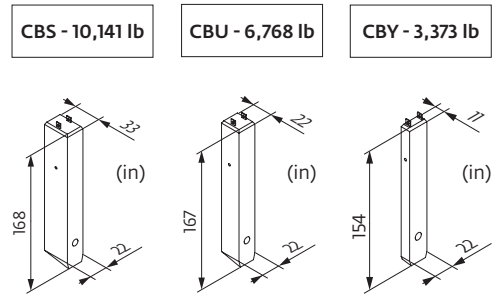


| ▼▲▲▲▲ (ft) | | 72 | 89 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | 154 | 164 | 171 | 180 | 187 | 197 | 203 | 213 | 220 | 230 | 236 | 246 | ft | |
|------------|------------|-----------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| ▼▲▲▲▲ | ↔ 13.2 USt | ↔ 6.6 USt | | | | | | | | | | | | | | | | | | | | | | |
| 246 | 8 → 82 | 144 - 148 | 13.2 | 12.2 | 10.9 | 10.1 | 9.1 | 8.4 | 7.6 | 7.1 | 6.6 | 6.2 | 5.6 | 5.3 | 4.9 | 4.6 | 4.3 | 4.1 | 3.8 | 3.6 | 3.4 | 3.3 | 3.1 | USt |
| | 8 → 86 | 148 - 150 | 13.2 | 12.9 | 11.3 | 10.4 | 9.3 | 8.6 | 7.8 | 7.2 | 6.6 | 6.4 | 5.9 | 5.6 | 5.2 | 4.9 | 4.6 | 4.3 | 4.1 | 3.9 | 3.6 | 3.5 | 3.3 | USt P+ |
| 230 | 8 → 87 | 152 - 154 | 13.2 | 13 | 11.5 | 10.7 | 9.7 | 9 | 8.1 | 7.6 | 6.9 | 6.6 | 6.1 | 5.7 | 5.3 | 5 | 4.6 | 4.4 | 4.1 | 4 | 3.7 | | | USt |
| | 8 → 90 | 155 - 158 | 13.2 | 13.2 | 12 | 11 | 9.9 | 9.1 | 8.3 | 7.7 | 7.1 | 6.7 | 6.3 | 6 | 5.6 | 5.3 | 4.9 | 4.7 | 4.4 | 4.2 | 4 | | | USt P+ |
| 213 | 8 → 93 | 159 - 161 | 13.2 | 13.2 | 12.4 | 11.5 | 10.3 | 9.6 | 8.6 | 8 | 7.3 | 6.9 | 6.5 | 6.1 | 5.7 | 5.4 | 5 | 4.8 | 4.5 | | | | | USt |
| | 8 → 95 | 163 - 165 | 13.2 | 13.2 | 12.7 | 11.6 | 10.4 | 9.6 | 8.7 | 8.2 | 7.5 | 7.1 | 6.6 | 6.4 | 6 | 5.7 | 5.3 | 5 | 4.8 | | | | | USt P+ |
| 197 | 8 → 96 | 173 - 177 | 13.2 | 13.2 | 12.8 | 11.9 | 10.7 | 10.1 | 9.2 | 8.7 | 8 | 7.6 | 7.1 | 6.7 | 6.5 | 6.2 | 5.8 | | | | | | | USt |
| | 8 → 97 | 176 - 180 | 13.2 | 13.2 | 13 | 12.1 | 10.9 | 10.3 | 9.4 | 8.9 | 8.2 | 7.8 | 7.2 | 6.9 | 6.6 | 6.3 | 6 | | | | | | | USt P+ |
| 180 | 8 → 100 | | 13.2 | 13.2 | 13.2 | 12.6 | 11.4 | 10.7 | 9.8 | 9.3 | 8.6 | 8.2 | 7.6 | 7.3 | 6.8 | | | | | | | | | USt |
| | 8 → 109 | | 13.2 | 13.2 | 13.2 | 13.2 | 12.3 | 11.5 | 10.4 | 9.8 | 9 | 8.5 | 7.9 | 7.5 | 7 | | | | | | | | | USt P+ |
| 164 | 8 → 100 | | 13.2 | 13.2 | 13.2 | 12.6 | 11.4 | 10.7 | 9.8 | 9.3 | 8.6 | 8.2 | 7.6 | | | | | | | | | | | USt |
| | 8 → 105 | | 13.2 | 13.2 | 13.2 | 13.2 | 12 | 11.3 | 10.3 | 9.7 | 9 | 8.5 | 7.9 | | | | | | | | | | | USt P+ |
| 148 | 8 → 105 | | 13.2 | 13.2 | 13.2 | 13.2 | 12 | 11.2 | 10.3 | 9.8 | 9 | | | | | | | | | | | | | USt |
| | 8 → 114 | | 13.2 | 13.2 | 13.2 | 13.2 | 13.1 | 12.4 | 11.3 | 10.7 | 9.9 | | | | | | | | | | | | | USt P+ |
| 131 | 8 → 103 | | 13.2 | 13.2 | 13.2 | 12.9 | 11.7 | 11 | 10 | | | | | | | | | | | | | | | USt |
| | 8 → 112 | | 13.2 | 13.2 | 13.2 | 13.2 | 12.9 | 12.1 | 11 | | | | | | | | | | | | | | | USt P+ |
| 115 | 8 → 104 | | 13.2 | 13.2 | 13.2 | 13.1 | 11.8 | | | | | | | | | | | | | | | | | USt |
| | 8 → 113 | | 13.2 | 13.2 | 13.2 | 13.2 | 13 | | | | | | | | | | | | | | | | | USt P+ |
| 98 | 8 → 98 | | 13.2 | 13.2 | 13.2 | | | | | | | | | | | | | | | | | | | USt |
| | 8 → 98 | | 13.2 | 13.2 | 13.2 | | | | | | | | | | | | | | | | | | | USt P+ |

$$U_{L2} = U_{L1} - 0.2 \text{ USt max.}$$

Jib weight & counter-jib ballast

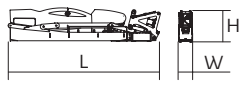

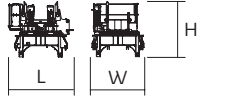
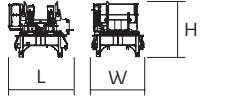
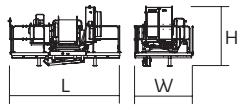
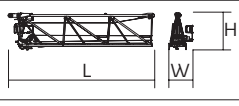
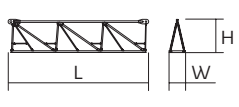
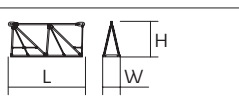
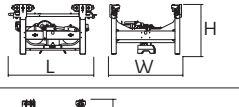
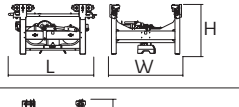
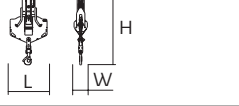
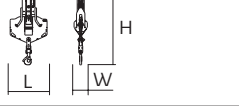
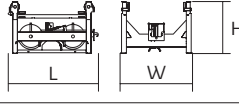
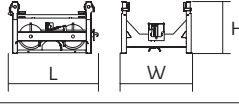
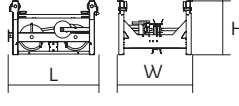
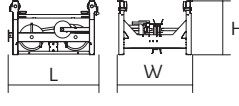
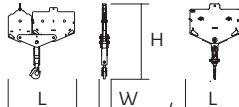
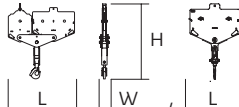
| ▼▲▲▲▲ | ▼▲▲▲▲ (lb) (+/- 5%) | | | ▨ | | | ▨ | | |
|--------|------------------------|--------|--------|-----------|----------|--------|----------|----------|--------|
| | ↔ | ↔ | ↔ | 10,141 lb | 3,373 lb | ▨ (lb) | 6,768 lb | 3,373 lb | ▨ (lb) |
| 246 ft | 39,840 | 38,964 | 39,996 | 5 | 2 | 57,452 | 8 | 1 | 57,519 |
| 230 ft | 39,253 | 38,411 | 39,388 | 5 | 2 | 57,452 | 8 | 1 | 57,519 |
| 213 ft | 38,402 | 37,626 | 38,603 | 5 | 2 | 57,452 | 8 | 1 | 57,519 |
| 197 ft | 36,363 | 35,653 | 36,520 | 5 | 1 | 54,079 | 8 | 0 | 54,146 |
| 180 ft | 36,387 | 35,677 | 36,544 | 5 | 1 | 54,079 | 8 | 0 | 54,146 |
| 164 ft | 34,595 | 33,885 | 34,751 | 5 | 2 | 57,452 | 8 | 1 | 57,519 |
| 148 ft | 34,013 | 33,303 | 34,169 | 5 | 2 | 57,452 | 8 | 1 | 57,519 |
| 131 ft | 32,221 | 31,511 | 32,377 | 5 | 0 | 50,706 | 7 | 1 | 50,750 |
| 115 ft | 31,052 | 30,342 | 31,209 | 4 | 2 | 47,311 | 7 | 0 | 47,377 |
| 98 ft | 29,205 | 28,495 | 29,361 | 4 | 1 | 43,938 | 6 | 1 | 43,982 |

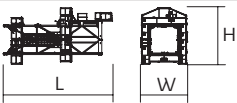
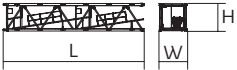
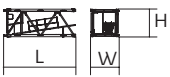

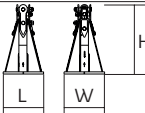
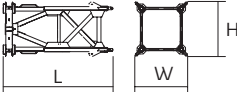

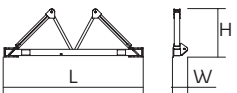
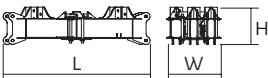
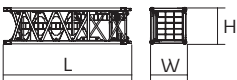
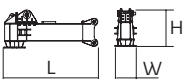
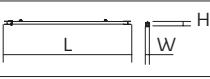
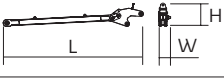
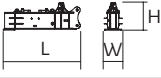
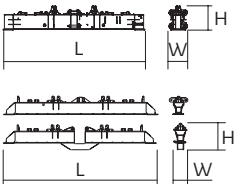


Dimensions and weight

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



| Slewing crane part | | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|-------------------------|---|---|--------|--------|--------|-------------|
| Counter-jib |  | Ⓐ Ⓑ Ⓒ | 39.4 | 4.1 | 8.2 | 31,107 |
| | | | 39.4 | 4.1 | 8.2 | 29,983 |
| | | | 39.4 | 4.1 | 8.2 | 25,441 |
| Cab mast + cab |  | Ultra View | 16.5 | 7.3 | 8.2 | 14,815 |
| Towerhead |  |  | 9.7 | 8.1 | 8.2 | 16,799 |
| | | | 10.7 | 8.2 | 9 | 19,180 |
| Hoisting winch (+ rope) |  | 90 HPL™ | 14 | 7.5 | 7.6 | 9,921 |
| Jib section |  | ① 6 DVF | 35.3 | 5.9 | 9 | 12,015 |
| Jib section |  | ② ③ ⑤ ⑥ ⑦ | 33.5 | 3.9 | 8.2 | 6,934 |
| | | | 33.8 | 3.9 | 7.9 | 5,335 |
| | | | 33.5 | 3.9 | 7.8 | 3,439 |
| | | | 33.6 | 3.9 | 6.9 | 2,723 |
| | | | 33.4 | 3.9 | 6 | 2,094 |
| Jib section |  | ④ ⑧ ⑨ | 17.3 | 3.9 | 7.8 | 2,116 |
| | | | 16.7 | 3.9 | 5 | 683 |
| | | | 16.7 | 3.9 | 4.6 | 485 |
| Trolley |  |  | 6.1 | 5 | 3.4 | 882 |
| Pulley block |  |  | 3.9 | 1.4 | 7.6 | 1,003 |
| Trolley |  |  | 5.2 | 5 | 3.2 | 463 |
| Trolley |  |  | 5.6 | 5 | 3.4 | 540 |
| | | | 6.1 | 5 | 3.2 | 520 |
| Pulley block |  |  | 5.4 | 0.7 | 5.8 | 992 |
| | | | 3.6 | 0.9 | 5.3 | 584 |

| Crane tower | | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|--|---|--|--|--|--|--|
| Telescopic cage T 61 Telescopic cage T 851 |  | ▽ 6.6 ft ▽ 8 ft | 35.5 36.7 | 13.6 15.9 | 14.7 19 | 21,385 34,723 |
| K 649B KM 649E KRM 6410B KRM 849B K 85/KR 84B2 KM 850.10B KM 850.14B |  | ▽ 6.6 ft ▽ 6.6 ft ▽ 6.6 ft ▽ 8 ft ▽ 8 ft ▽ 8 ft ▽ 8 ft | 33.6 33.8 33.6 33.6 33.6 33.9 33.9 | 6.8 6.7 6.9 8.4 8.3 8.3 8.3 | 6.7 6.7 6.8 8.3 8.2 8.2 8.2 | 11,663 10,692 15,653 17,196 21,242 22,201 24,670 |
| K 649A KMT 649A KR 649A KRMT 649A K 849A KMT 849A KR 849A KRMT 849A K 85/KR 84A2 KMT 850.10A KMT 850.14A |  | ▽ 6.6 ft ▽ 6.6 ft ▽ 6.6 ft ▽ 6.6 ft ▽ 8 ft ▽ 8 ft ▽ 8 ft ▽ 8 ft ▽ 8 ft ▽ 8 ft ▽ 8 ft ▽ 8 ft | 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.2 17.5 17.5 | 6.8 6.8 6.9 6.9 8.3 8.4 8.3 8.3 8.4 8.3 8.3 8.3 | 6.7 6.7 6.8 6.8 8.2 8.3 8.3 8.2 8.3 8.2 8.2 8.2 | 6,184 5,666 7,165 6,724 7,496 6,945 9,458 9,017 12,236 12,015 13,206 |
| K 649C KMT 649C KRMT 649C KRMT 849C |  | ▽ 6.6 ft ▽ 6.6 ft ▽ 6.6 ft ▽ 8 ft | 11.7 11.7 11.7 11.7 | 6.8 6.8 6.9 8.4 | 6.7 6.7 6.8 8.3 | 4,559 4,542 5,401 7,066 |
| Fixing angles |  | P 63A / P 800B P 854A | 2.5 3 | 2.5 3 | 4.2 4.9 | 1,025 2,072 |
| Basic mast unit |  | V 60A | 16.4 | 7.9 | 7.9 | 10,494 |
| Struts |  | V 60A | 14.8 | 1 | 1 | 1,036 |
| Half-bearer |  | V 60A | 22 | 2.3 | 7.6 | 4,057 |
| Central cross (transport position) |  | JM 850 | 17.1 | 5.6 | 4.9 | 14,771 |
| Basic mast unit |  | JM 850 | 28.7 | 8.2 | 8.2 | 32,187 |
| Chassis girder |  | JM 850 | 17.1 | 3 | 5.1 | 7,055 |
| Chassis ties |  | JM 850 | 23.6 | 0.8 | 1.1 | 551 |
| Struts |  | JM 850 | 26.9 | 2.5 | 4.3 | 5,071 |
| 1/2 Cross girder |  | ZX 640 ZY 800 ZY 854 | 14.3 18.6 18.7 | 3.3 3.2 3.2 | 5.1 6.3 7.4 | 7,319 10,406 14,176 |
| Cross girder |  | ZX 640 ZY 800 ZY 854 ZX 6830 | 30 39.2 39 29.9 29.9 | 3.9 4.6 4.7 3.7 2.5 | 5.1 6.3 7.4 3.6 4.9 | 15,168 22,212 30,865 11,607 12,004 |

Mechanisms

| 480 V - 60 Hz | | | | | | | | | | | | | hp | kW | |
|---------------|------------------------|------------|--|----------|------------|------------|------------|------------|------------|------------|------------|------------|---------|----|----------|
| | 90 HPL™ 30 | fpm USt | 176 6.6 | 228 5 | 326 3.3 | 469 1.7 | 723 0.2 | 90 13.2 | 120 9.9 | 172 6.6 | 244 3.3 | 361 0.9 | 90 | 66 | 2,772 ft |
| | 6 DVF 6 Optima | fpm | 0 → 138 (13.2 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 | | |
| | | | | | | | | | | | | | | | |

| 480 V (+6% -10%) 60 Hz | 90 HPL™: 96 → 60 kVA | |
|------------------------|----------------------|--|

These most 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
- 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.

