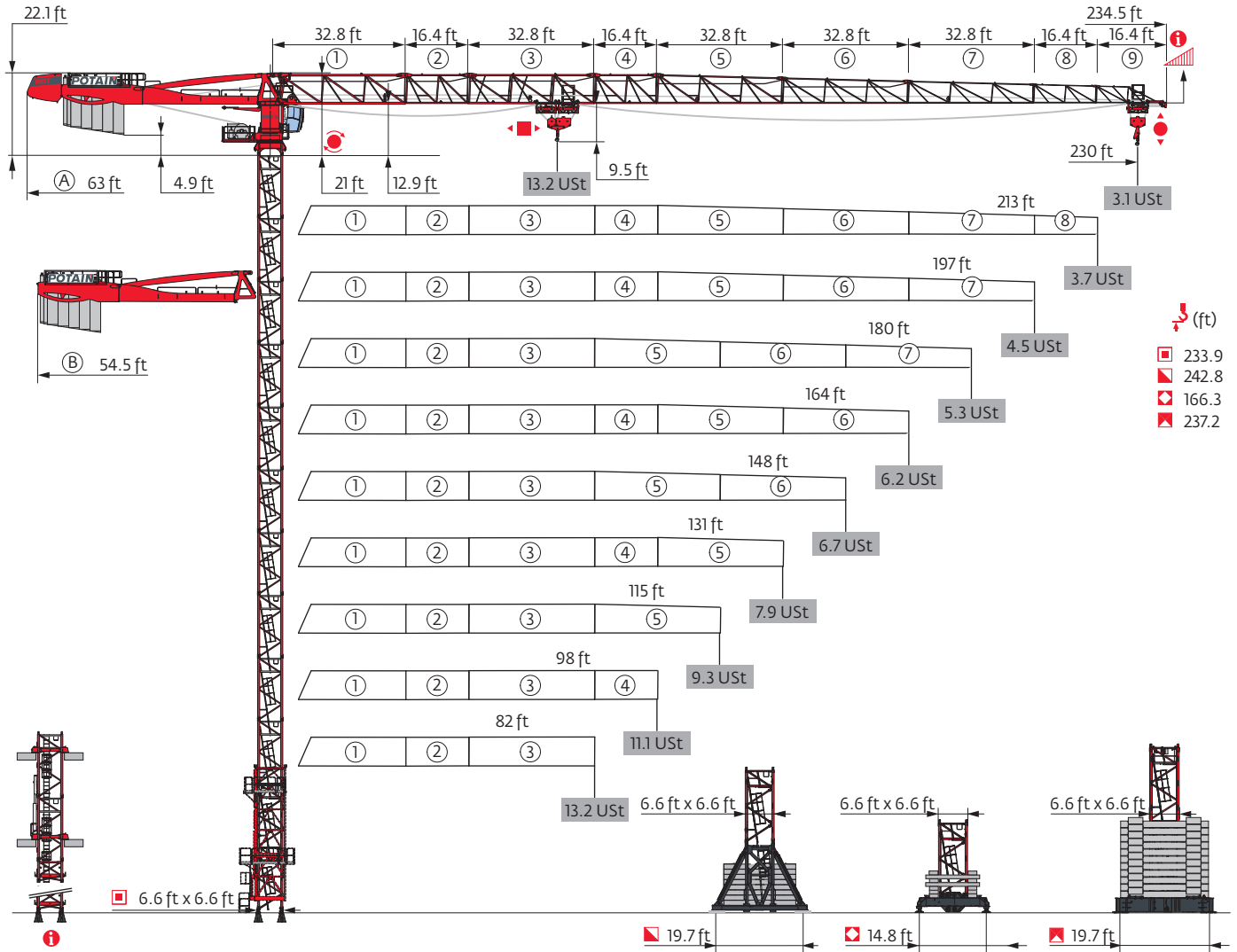


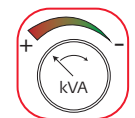
MDT 289



Potain Plus



Power Control

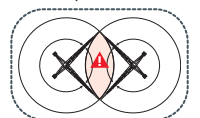


POTAIN®
CONNECT

Top Site



Anti-collision
systems



Mast - Reactions

6.6 ft - P 63A

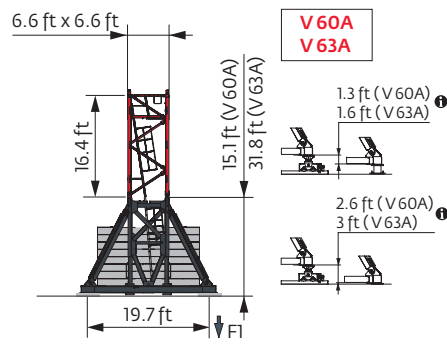
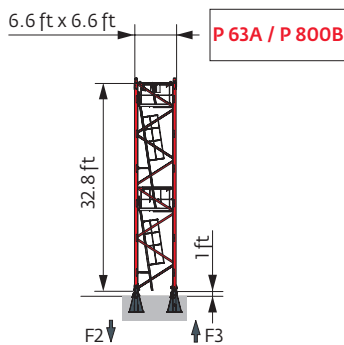
| Height (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 233.9 | 233.9 | 233.9 | 233.9 | 228.7 | 228.7 | 228.7 | 223.1 | 217.5 | 217.5 |
| Height/P+ (ft) | 233.9 | 233.9 | 233.9 | 233.9 | 228.7 | 228.7 | 228.7 | 223.1 | 217.5 | 217.5 |
| Height (ft) | 10.9 ft | 0 | 0 | 0 | 1 | 1 | 1 | 2 | 0 | 0 |
| | 16.4 ft | 12 | 12 | 12 | 11 | 11 | 11 | 10 | 11 | 11 |
| | 32.8 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| F2 (Ust) | ● 210 | 218 | 217 | 222 | 216 | 217 | 215 | 209 | 212 | 214 |
| | ■ 323 | 330 | 329 | 336 | 319 | 327 | 326 | 309 | 299 | 306 |
| F3 (Ust) | ● 154 | 159 | 157 | 161 | 154 | 155 | 153 | 146 | 149 | 151 |
| | ■ 273 | 278 | 276 | 281 | 264 | 271 | 271 | 253 | 243 | 250 |


6.6 ft - V 60A -

| Height (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 226.1 | 226.1 | 226.1 | 226.1 | 220.8 | 220.8 | 220.8 | 209.7 | 209.7 | 209.7 |
| Height/P+ (ft) | 226.1 | 226.1 | 226.1 | 226.1 | 220.8 | 220.8 | 220.8 | 209.7 | 209.7 | 209.7 |
| Height (ft) | 10.9 ft | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 1 | 1 |
| | 16.4 ft | 12 | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 11 |
| F1 (Ust) | ● 122 | 124 | 123 | 125 | 119 | 120 | 119 | 118 | 119 | 120 |
| | ■ 156 | 157 | 156 | 159 | 150 | 154 | 154 | 136 | 141 | 146 |


6.6 ft - V 63A -

| Height (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 237.2 | 237.2 | 237.2 | 242.8 | 237.2 | 237.2 | 237.2 | 220.8 | 220.8 | 220.8 |
| Height/P+ (ft) | 237.2 | 237.2 | 237.2 | 242.8 | 237.2 | 237.2 | 237.2 | 220.8 | 220.8 | 220.8 |
| Height (ft) | 10.9 ft | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | 2 |
| | 16.4 ft | 11 | 11 | 11 | 12 | 11 | 11 | 10 | 10 | 10 |
| F1 (Ust) | ● 136 | 135 | 134 | 141 | 135 | 136 | 135 | 126 | 127 | 128 |
| | ■ 176 | 178 | 177 | 188 | 178 | 182 | 183 | 155 | 161 | 165 |

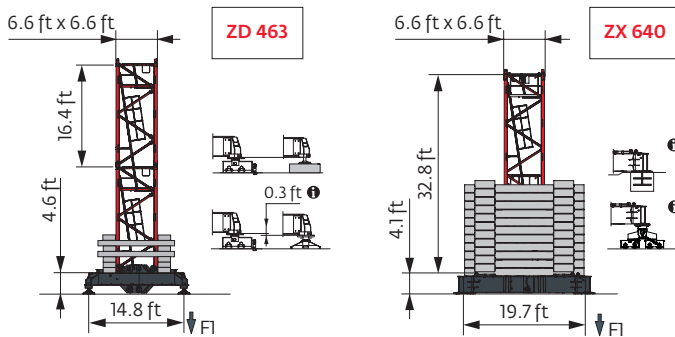


6.6 ft - ZD 463 - 

| Height (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 161.1 | 161.1 | 161.1 | 161.1 | 161.1 | 161.1 | 166.3 | 155.5 | 155.5 | 149.9 |
| Height/P+ (ft) | 161.1 | 155.5 | 161.1 | 155.5 | 161.1 | 161.1 | 161.1 | 155.5 | 149.9 | 149.9 |
| Wind Exposure | 10.9 ft | 2 | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 1 |
| | 16.4 ft | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 8 |
| FI (USt) | ● 114 | 115 | 114 | 113 | 115 | 114 | 116 | 116 | 116 | 113 |
| | ■ 106 | 107 | 105 | 106 | 107 | 109 | 115 | 106 | 110 | 106 |

6.6 ft - ZX 640 - 

| Height (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 |
|----------------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 237.2 | 237.2 | 237.2 | 231.6 | 231.6 | 231.6 | 231.6 | 226.1 | 220.8 | 220.8 |
| Height/P+ (ft) | 237.2 | 237.2 | 237.2 | 231.6 | 231.6 | 231.6 | 231.6 | 226.1 | 220.8 | 220.8 |
| Wind Exposure | 10.9 ft | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 0 |
| | 16.4 ft | 12 | 12 | 12 | 11 | 11 | 11 | 11 | 10 | 11 |
| | 32.8 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| FI (USt) | ● 130 | 134 | 134 | 131 | 134 | 132 | 131 | 130 | 130 | 131 |
| | ■ 170 | 173 | 173 | 168 | 166 | 170 | 170 | 160 | 155 | 159 |



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 -

| (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 226.1 | 145.5 | 145.5 | 145.5 | 145.5 | | | | | | |
| 220.8 | 145.5 | 145.5 | 132.3 | 132.3 | 132.3 | 132.3 | 132.3 | | | |
| 209.7 | 132.3 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 132.3 | 132.3 | 132.3 |
| 193.2 | 105.8 | 105.8 | 105.8 | 105.8 | 105.8 | 92.6 | 92.6 | 105.8 | 105.8 | 105.8 |
| 176.8 | 92.6 | 92.6 | 92.6 | 79.4 | 92.6 | 79.4 | 79.4 | 92.6 | 92.6 | 92.6 |
| 160.4 | 79.4 | 79.4 | 79.4 | 66.1 | 66.1 | 66.1 | 66.1 | 79.4 | 79.4 | 79.4 |
| 144 | 66.1 | 66.1 | 66.1 | 52.9 | 52.9 | 52.9 | 52.9 | 66.1 | 66.1 | 52.9 |
| 127.6 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 39.7 | 39.7 | 52.9 | 39.7 | 52.9 |
| 111.2 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 39.7 | 39.7 | 39.7 | 39.7 | 52.9 |
| 94.8 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 39.7 | 39.7 | 26.5 | 39.7 | 39.7 |
| 78.4 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 39.7 | 39.7 | 26.5 | 39.7 | 39.7 |
| 62 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 39.7 | 39.7 | 26.5 | 39.7 | 39.7 |

Ust) / 6.6 ft - V 63A -

| (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 242.8 | | | | | | | | | | |
| 237.2 | 185.2 | 172 | 172 | 172 | 172 | 172 | 172 | | | |
| 220.8 | 145.5 | 145.5 | 145.5 | 145.5 | 132.3 | 145.5 | 145.5 | 145.5 | 145.5 | 145.5 |
| 204.4 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 105.8 | 105.8 | 119.1 | 119.1 | 132.3 |
| 188 | 105.8 | 105.8 | 105.8 | 92.6 | 92.6 | 92.6 | 92.6 | 105.8 | 105.8 | 105.8 |
| 171.6 | 92.6 | 92.6 | 92.6 | 79.4 | 79.4 | 79.4 | 79.4 | 92.6 | 92.6 | 92.6 |
| 155.2 | 79.4 | 79.4 | 66.1 | 66.1 | 66.1 | 66.1 | 66.1 | 79.4 | 66.1 | 66.1 |
| 138.8 | 66.1 | 66.1 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 | 52.9 |
| 122.4 | 52.9 | 52.9 | 52.9 | 52.9 | 39.7 | 39.7 | 39.7 | 39.7 | 39.7 | 52.9 |
| 106 | 52.9 | 52.9 | 52.9 | 52.9 | 39.7 | 39.7 | 39.7 | 26.5 | 39.7 | 39.7 |
| 89.6 | 52.9 | 52.9 | 52.9 | 52.9 | 39.7 | 39.7 | 39.7 | 26.5 | 39.7 | 39.7 |
| 73.2 | 52.9 | 52.9 | 52.9 | 52.9 | 39.7 | 39.7 | 39.7 | 26.5 | 39.7 | 39.7 |

Ust) / 6.6 ft - ZD 463 -

| (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 166.3 | | | | | | | 126.8 | | | |
| 161.1 | 132.3 | 132.3 | 126.8 | 121.3 | 126.8 | 121.3 | 121.3 | | | |
| 155.5 | 126.8 | 121.3 | 121.3 | 121.3 | 121.3 | 110.2 | 110.2 | 126.8 | 126.8 | |
| 149.9 | 121.3 | 115.7 | 115.7 | 115.7 | 110.2 | 104.7 | 104.7 | 121.3 | 115.7 | 115.7 |
| 133.5 | 99.2 | 104.7 | 99.2 | 104.7 | 93.7 | 93.7 | 82.7 | 99.2 | 93.7 | 93.7 |
| 117.1 | 88.2 | 93.7 | 88.2 | 93.7 | 82.7 | 82.7 | 71.7 | 77.2 | 77.2 | 82.7 |
| 100.7 | 88.2 | 93.7 | 88.2 | 93.7 | 82.7 | 77.2 | 66.1 | 60.6 | 71.7 | 82.7 |
| 84.3 | 88.2 | 93.7 | 88.2 | 93.7 | 82.7 | 77.2 | 66.1 | 60.6 | 71.7 | 77.2 |

Ust) / 6.6 ft - ZX 640 -

| (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 | 230 |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 237.2 | 165.4 | 165.4 | 165.4 | | | | | | | |
| 231.6 | 154.3 | 154.3 | 154.3 | 154.3 | 165.4 | 154.3 | 154.3 | | | |
| 226.1 | 154.3 | 154.3 | 154.3 | 154.3 | 154.3 | 154.3 | 154.3 | 154.3 | | |
| 220.8 | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | 143.3 | 154.3 | 154.3 |
| 204.4 | 121.3 | 121.3 | 121.3 | 121.3 | 121.3 | 121.3 | 121.3 | 121.3 | 132.3 | 132.3 |
| 188 | 110.2 | 110.2 | 110.2 | 110.2 | 110.2 | 99.2 | 99.2 | 99.2 | 110.2 | 110.2 |
| 171.6 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 |
| 155.2 | 77.2 | 77.2 | 77.2 | 66.1 | 77.2 | 66.1 | 66.1 | 66.1 | 77.2 | 77.2 |
| 138.8 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| 122.4 | 44.1 | 55.1 | 55.1 | 55.1 | 44.1 | 44.1 | 33.1 | 33.1 | 44.1 | 44.1 |
| 106 | 44.1 | 55.1 | 55.1 | 55.1 | 44.1 | 44.1 | 33.1 | 33.1 | 33.1 | 44.1 |
| 89.6 | 44.1 | 55.1 | 55.1 | 55.1 | 44.1 | 44.1 | 33.1 | 33.1 | 33.1 | 44.1 |
| 73.2 | 44.1 | 55.1 | 55.1 | 55.1 | 44.1 | 44.1 | 33.1 | 33.1 | 33.1 | 44.1 |

Load curves



| ▼ (ft) | | 66 | 72 | 82 | 89 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | 154 | 164 | 171 | 180 | 187 | 197 | 203 | 213 | 220 | 230 | ft | |
|--------|------------|-----------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------|
| ▼ | ▼ 13.2 USt | ▼ 6.6 USt | ▼ | | | | | | | | | | ▼ | | | | | | | | | | | |
| 230 | 10 → 67 | 125 - 135 | 13.2 | 12.2 | 10.6 | 9.8 | 8.7 | 8.1 | 7.3 | 6.8 | 6.6 | 6.5 | 6 | 5.7 | 5.2 | 4.9 | 4.5 | 4.2 | 3.9 | 3.7 | 3.4 | 3.2 | 3 | USt |
| | 10 → 69 | 128 - 138 | 13.2 | 12.5 | 11 | 10.1 | 9 | 8.3 | 7.5 | 7 | 6.6 | 6.6 | 6.2 | 5.9 | 5.4 | 5 | 4.6 | 4.3 | 4 | 3.8 | 3.5 | 3.3 | 3.1 | USt P+ |
| 213 | 10 → 70 | 129 - 138 | 13.2 | 12.8 | 11.1 | 10.2 | 9.1 | 8.4 | 7.6 | 7.1 | 6.6 | 6.6 | 6.1 | 5.8 | 5.3 | 5 | 4.6 | 4.4 | 4 | 3.8 | 3.6 | | | USt |
| | 10 → 72 | 132 - 141 | 13.2 | 13.2 | 11.5 | 10.5 | 9.3 | 8.7 | 7.8 | 7.3 | 6.7 | 6.6 | 6.3 | 6 | 5.5 | 5.2 | 4.7 | 4.5 | 4.2 | 3.9 | 3.7 | | | USt P+ |
| 197 | 10 → 74 | 137 - 146 | 13.2 | 13.2 | 11.9 | 10.9 | 9.7 | 9 | 8.1 | 7.6 | 7 | 6.6 | 6.5 | 6.2 | 5.7 | 5.4 | 5 | 4.7 | 4.4 | | | | | USt |
| | 10 → 77 | 140 - 149 | 13.2 | 13.2 | 12.1 | 11.2 | 10 | 9.3 | 8.4 | 7.9 | 7.2 | 6.8 | 6.6 | 6.4 | 5.9 | 5.5 | 5.1 | 4.8 | 4.5 | | | | | USt P+ |
| 180 | 10 → 75 | 136 - 146 | 13.2 | 13.2 | 12 | 11 | 9.7 | 9 | 8.1 | 7.6 | 6.9 | 6.6 | 6.5 | 6.2 | 5.8 | 5.5 | 5.2 | | | | | | | USt |
| | 10 → 77 | 139 - 149 | 13.2 | 13.2 | 12.3 | 11.3 | 10 | 9.2 | 8.3 | 7.8 | 7.1 | 6.7 | 6.6 | 6.4 | 5.9 | 5.7 | 5.3 | | | | | | | USt P+ |
| 164 | 10 → 77 | 138 - 149 | 13.2 | 13.2 | 12.3 | 11.2 | 9.9 | 9.2 | 8.3 | 7.8 | 7.1 | 6.6 | 6.6 | 6.3 | 5.9 | | | | | | | | | USt |
| | 10 → 80 | 144 - 155 | 13.2 | 13.2 | 12.8 | 11.7 | 10.4 | 9.6 | 8.7 | 8.1 | 7.4 | 7 | 6.6 | 6.6 | 6.2 | | | | | | | | | USt P+ |
| 148 | 10 → 79 | 143 - 148 | 13.2 | 13.2 | 12.7 | 11.6 | 10.3 | 9.6 | 8.6 | 8.1 | 7.3 | 6.9 | 6.6 | | | | | | | | | | | USt |
| | 10 → 82 | | 13.2 | 13.2 | 13.2 | 12.2 | 10.8 | 10 | 9 | 8.4 | 7.7 | 7.3 | 6.7 | | | | | | | | | | | USt P+ |
| 131 | 10 → 81 | | 13.2 | 13.2 | 13.1 | 12 | 10.6 | 9.9 | 8.9 | 8.3 | 7.6 | | | | | | | | | | | | | USt |
| | 10 → 84 | | 13.2 | 13.2 | 13.2 | 12.4 | 11 | 10.2 | 9.2 | 8.6 | 7.9 | | | | | | | | | | | | | USt P+ |
| 115 | 10 → 81 | | 13.2 | 13.2 | 13 | 11.9 | 10.5 | 9.8 | 8.8 | | | | | | | | | | | | | | | USt |
| | 10 → 84 | | 13.2 | 13.2 | 13.2 | 12.4 | 11 | 10.2 | 9.2 | | | | | | | | | | | | | | | USt P+ |
| 98 | 10 → 81 | | 13.2 | 13.2 | 13.1 | 12 | 10.6 | | | | | | | | | | | | | | | | | USt |
| | 10 → 84 | | 13.2 | 13.2 | 13.2 | 12.5 | 11.1 | | | | | | | | | | | | | | | | | USt P+ |
| 82 | 10 → 80 | | 13.2 | 13.2 | 12.7 | | | | | | | | | | | | | | | | | | | USt |
| | 10 → 82 | | 13.2 | 13.2 | 13.2 | | | | | | | | | | | | | | | | | | | USt P+ |

$W_{jib} = W_{jib} - 0.66 \text{ USt max.}$

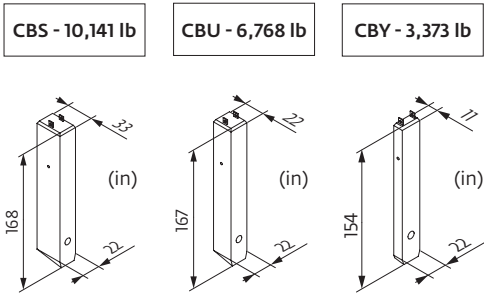


| ▼ (ft) | | 66 | 72 | 82 | 89 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | 154 | 164 | 171 | 180 | 187 | 197 | 203 | 213 | 220 | 230 | ft | |
|--------|------------|-----------|------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------|
| ▼ | ▼ 13.2 USt | ▼ 6.6 USt | ▼ | | | | | | | | | | ▼ | | | | | | | | | | | |
| 230 | 8 → 67 | 126 - 128 | 13.2 | 12.2 | 10.7 | 9.9 | 8.8 | 8.2 | 7.4 | 6.9 | 6.4 | 6.1 | 5.6 | 5.3 | 4.8 | 4.5 | 4.1 | 3.8 | 3.5 | 3.3 | 3 | 2.8 | 2.6 | USt |
| | 8 → 69 | 129 - 131 | 13.2 | 12.6 | 11 | 10.2 | 9 | 8.4 | 7.6 | 7.1 | 6.6 | 6.2 | 5.8 | 5.5 | 5 | 4.6 | 4.2 | 3.9 | 3.6 | 3.4 | 3.1 | 2.9 | 2.65 | USt P+ |
| 213 | 8 → 70 | 130 - 132 | 13.2 | 12.9 | 11.2 | 10.3 | 9.1 | 8.5 | 7.6 | 7.2 | 6.6 | 6.3 | 5.7 | 5.4 | 5 | 4.7 | 4.3 | 4 | 3.7 | 3.5 | 3.2 | | | USt |
| | 8 → 73 | 133 - 135 | 13.2 | 13.2 | 11.5 | 10.6 | 9.4 | 8.7 | 7.9 | 7.4 | 6.7 | 6.4 | 5.9 | 5.6 | 5.1 | 4.8 | 4.4 | 4.1 | 3.8 | 3.6 | 3.3 | | | USt P+ |
| 197 | 8 → 75 | 138 - 140 | 13.2 | 13.2 | 12 | 11 | 9.8 | 9.1 | 8.2 | 7.7 | 7 | 6.6 | 6.2 | 5.9 | 5.4 | 5 | 4.6 | 4.4 | 4 | | | | | USt |
| | 8 → 77 | 141 - 143 | 13.2 | 13.2 | 12.2 | 11.3 | 10.1 | 9.4 | 8.5 | 7.9 | 7.2 | 6.8 | 6.4 | 6 | 5.5 | 5.2 | 4.8 | 4.5 | 4.2 | | | | | USt P+ |
| 180 | 8 → 76 | 137 - 140 | 13.2 | 13.2 | 12 | 11 | 9.8 | 9.1 | 8.1 | 7.6 | 6.9 | 6.6 | 6.2 | 5.9 | 5.4 | 5.2 | 4.8 | | | | | | | USt |
| | 8 → 77 | 140 - 143 | 13.2 | 13.2 | 12.4 | 11.3 | 10 | 9.3 | 8.4 | 7.8 | 7.1 | 6.7 | 6.4 | 6 | 5.6 | 5.3 | 5 | | | | | | | USt P+ |
| 164 | 8 → 77 | 140 - 143 | 13.2 | 13.2 | 12.3 | 11.3 | 10 | 9.3 | 8.4 | 7.8 | 7.1 | 6.7 | 6.3 | 6 | 5.6 | | | | | | | | | USt |
| | 8 → 80 | 145 - 148 | 13.2 | 13.2 | 12.9 | 11.8 | 10.5 | 9.7 | 8.8 | 8.2 | 7.5 | 7 | 6.6 | 6.3 | 5.9 | | | | | | | | | USt P+ |
| 148 | 8 → 80 | 144 - 148 | 13.2 | 13.2 | 12.8 | 11.7 | 10.4 | 9.6 | 8.7 | 8.1 | 7.4 | 7 | 6.6 | | | | | | | | | | | USt |
| | 8 → 83 | | 13.2 | 13.2 | 13.2 | 12.2 | 10.9 | 10.1 | 9.1 | 8.5 | 7.8 | 7.3 | 6.7 | | | | | | | | | | | USt P+ |
| 131 | 8 → 82 | | 13.2 | 13.2 | 13.2 | 12.1 | 10.7 | 9.9 | 8.9 | 8.4 | 7.6 | | | | | | | | | | | | | USt |
| | 8 → 84 | | 13.2 | 13.2 | 13.2 | 12.5 | 11.1 | 10.3 | 9.3 | 8.7 | 7.9 | | | | | | | | | | | | | USt P+ |
| 115 | 8 → 81 | | 13.2 | 13.2 | 13 | 11.9 | 10.6 | 9.8 | 8.8 | | | | | | | | | | | | | | | USt |
| | 8 → 84 | | 13.2 | 13.2 | 13.2 | 12.5 | 11.1 | 10.3 | 9.3 | | | | | | | | | | | | | | | USt P+ |
| 98 | 8 → 82 | | 13.2 | 13.2 | 13.2 | 12.1 | 10.7 | | | | | | | | | | | | | | | | | USt |
| | 8 → 85 | | 13.2 | 13.2 | 13.2 | 12.6 | 11.1 | | | | | | | | | | | | | | | | | USt P+ |
| 82 | 8 → 80 | | 13.2 | 13.2 | 12.8 | | | | | | | | | | | | | | | | | | | USt |
| | 8 → 82 | | 13.2 | 13.2 | 13.2 | | | | | | | | | | | | | | | | | | | USt P+ |

$W_{jib} = W_{jib} - 0.2 \text{ USt max.}$

Jib weight & counter-jib ballast

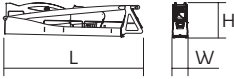

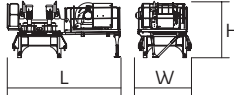
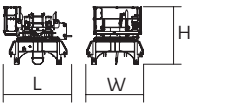
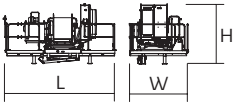
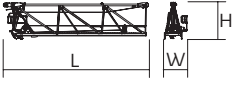
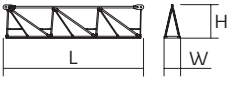

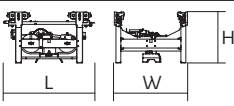
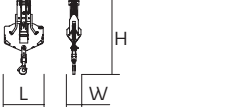
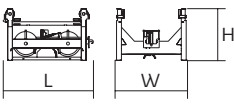
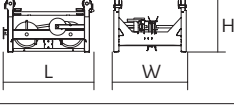
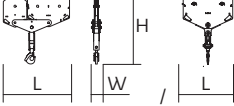
| ▼ (ft) | ▼ (lb) (+/- 5%) | | | ▼ (lb) | | | ▼ (lb) | | |
|--------|-----------------|--------|--------|-----------|----------|--------|----------|----------|--------|
| | ▼ | ▼ | ▼ | 10,141 lb | 3,373 lb | ▼ (lb) | 6,768 lb | 3,373 lb | ▼ (lb) |
| 230 ft | 32,587 | 31,744 | 32,721 | 5 | 2 | 57,452 | 8 | 1 | 57,519 |
| 213 ft | 31,916 | 31,140 | 32,117 | 5 | 2 | 57,452 | 8 | 1 | 57,519 |
| 197 ft | 31,070 | 30,360 | 31,226 | 5 | 2 | 57,452 | 8 | 1 | 57,519 |
| 180 ft | 29,211 | 28,501 | 29,368 | 5 | 0 | 50,706 | 7 | 1 | 50,750 |
| 164 ft | 29,527 | 28,817 | 29,683 | 5 | 0 | 50,706 | 7 | 1 | 50,750 |
| 148 ft | 27,902 | 27,192 | 28,058 | 4 | 2 | 47,311 | 7 | 0 | 47,377 |
| 131 ft | 27,324 | 26,614 | 27,481 | 4 | 1 | 43,938 | 6 | 1 | 43,982 |
| 115 ft | 25,536 | 24,826 | 25,693 | 4 | 0 | 40,565 | 6 | 0 | 40,609 |
| 98 ft | 24,209 | 23,499 | 24,365 | 3 | 2 | 37,170 | 5 | 1 | 37,214 |
| 82 ft | 22,192 | 21,482 | 22,348 | 3 | 1 | 33,797 | 5 | 0 | 33,841 |

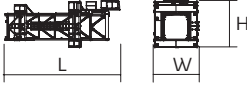

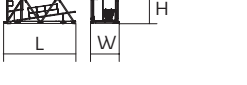

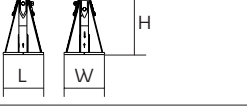
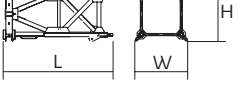
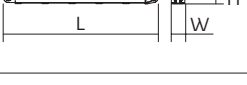
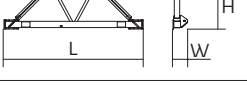
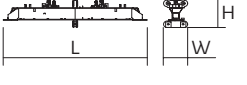
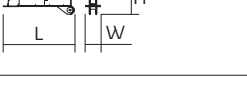
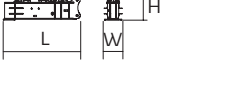
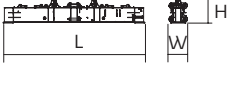


Dimensions and weight

Slewing crane part:  230 ft -  -  50 LVF



| Slewing crane part | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|-------------------------------------|---|------------------------------|--------------------------|------------------------|----------------------------------|
| Counter-jib |  | 36.1 36.1 | 3.7 3.7 | 8.1 8.1 | 21,826 20,503 |
| Cab mast + cab |  | 16.1 | 7.3 | 8.2 | 13,228 |
| Towerhead + Hoisting winch (+ rope) |  | 17.3 | 8.3 | 9.2 | 21,054 |
| Towerhead |  | 9.7 | 8.1 | 8.2 | 13,228 |
| Hoisting winch (+ rope) |  | 14 | 7.5 | 7.6 | 9,921 |
| Jib section |  | 35.8 | 5.6 | 9 | 9,348 |
| Jib section |  | 33.8 33.5 33.6 33.4 | 3.9 3.9 3.9 3.9 | 7.9 7.8 6.9 6 | 5,335 3,439 2,723 1,753 |
| Jib section |  | 17.6 17.3 16.7 16.7 | 3.9 3.9 3.9 3.9 | 8 7.8 5 4.6 | 3,164 2,116 683 485 |
| 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 6.1 | 5 5 | 3.4 3.2 | 540 520 |
| Pulley block |  | 5.4 3.6 | 0.7 0.9 | 5.8 5.3 | 992 584 |

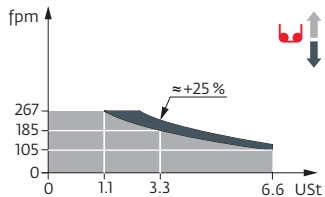
| Crane tower | | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|--|---|----------------|------------------------------|--------------------------|--------------------------|----------------------------------|
| Telescopic cage T 61 |  | □ 6.6 ft | 35.5 | 13.6 | 14.7 | 21,385 |
| K 649B KM 649E KRM 6410B |  | □ 6.6 ft | 33.6 33.8 33.6 | 6.8 6.7 6.9 | 6.7 6.7 6.8 | 11,663 10,692 15,653 |
| KR 649A KRMT 649A K 649A KMT 649A |  | □ 6.6 ft | 17.2 17.2 17.2 17.2 | 6.9 6.9 6.8 6.8 | 6.8 6.8 6.7 6.7 | 7,165 6,724 6,184 5,666 |
| K 649C KMT 649C KRMT 649C |  | □ 6.6 ft | 11.7 11.7 11.7 | 6.8 6.8 6.9 | 6.7 6.7 6.8 | 4,559 4,542 5,401 |
| Fixing angles |  | P 63A / P 800B | 2.5 | 2.5 | 4.2 | 1,025 |
| Basic mast unit |  | V 60A V 63A | 16.4 32.9 | 7.9 7.9 | 7.9 7.9 | 10,494 16,887 |
| Struts |  | V 60A V 63A | 14.8 14.8 | 1 1.1 | 1 1.1 | 1,036 1,235 |
| Half-bearer |  | V 60A V 63A | 22 22 | 2.3 2.3 | 7.6 7.6 | 4,057 4,101 |
| Cross girder |  | ZD 463 | 25.1 | 3.8 | 4.5 | 7,904 |
| 1/2 Cross girder |  | ZD 463 | 11.2 | 2.3 | 4.4 | 3,649 |
| 1/2 Cross girder |  | ZX 640 | 14.3 | 3.3 | 5.1 | 7,319 |
| Cross girder |  | ZX 640 | 30 | 3.9 | 5.1 | 15,168 |

Mechanisms

| 480 V - 60 Hz | | | | | | | | | | | hp | kW | | | |
|---------------|-------------------------|-----|--|-----|-----|------|------|---------|-----|-----|-----|---------|----------|----|----------|
| | 50 LVF 30 Optima | fpm | 105 | 135 | 185 | 267 | 54 | 71 | 97 | 135 | 50 | 37 | 1,106 ft | | |
| | USt | 6.6 | 5 | 3.3 | 1.1 | 13.2 | 9.9 | 6.6 | 2.5 | | | | | | |
| | 90 HPL™ 30 | fpm | 176 | 228 | 326 | 469 | 723 | 90 | 120 | 172 | 244 | 361 | 90 | 66 | 2,772 ft |
| | USt | 6.6 | 5 | 3.3 | 1.7 | 0.2 | 13.2 | 9.9 | 6.6 | 3.3 | 0.9 | | | | |
| | 6 DVF 4 Optima | fpm | 0 → 164 (13.2 USt) 0 → 328 (6.6 USt) 0 → 394 (3.3 USt) | | | | | | | | 5.5 | 4 | | | |
| | RVF 162 Optima+ | rpm | | | | | | 0 → 0.9 | | | | 2 x 7.5 | 2 x 5.5 | | |
| | | | | | | | | | | | | | | | |

| 480 V (+6% -10%) 60 Hz | 50 LVF: 58 → 38 kVA 90 HPL™: 90 → 54 kVA | |
|------------------------|---|--|

50 LVF 30 Optima



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
- Total ballast weight
- Travelling
- Standard equipment
- Jib weight
- Required power
- Options
- Lorry 44 ft
- Power Control Function: wind 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

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

