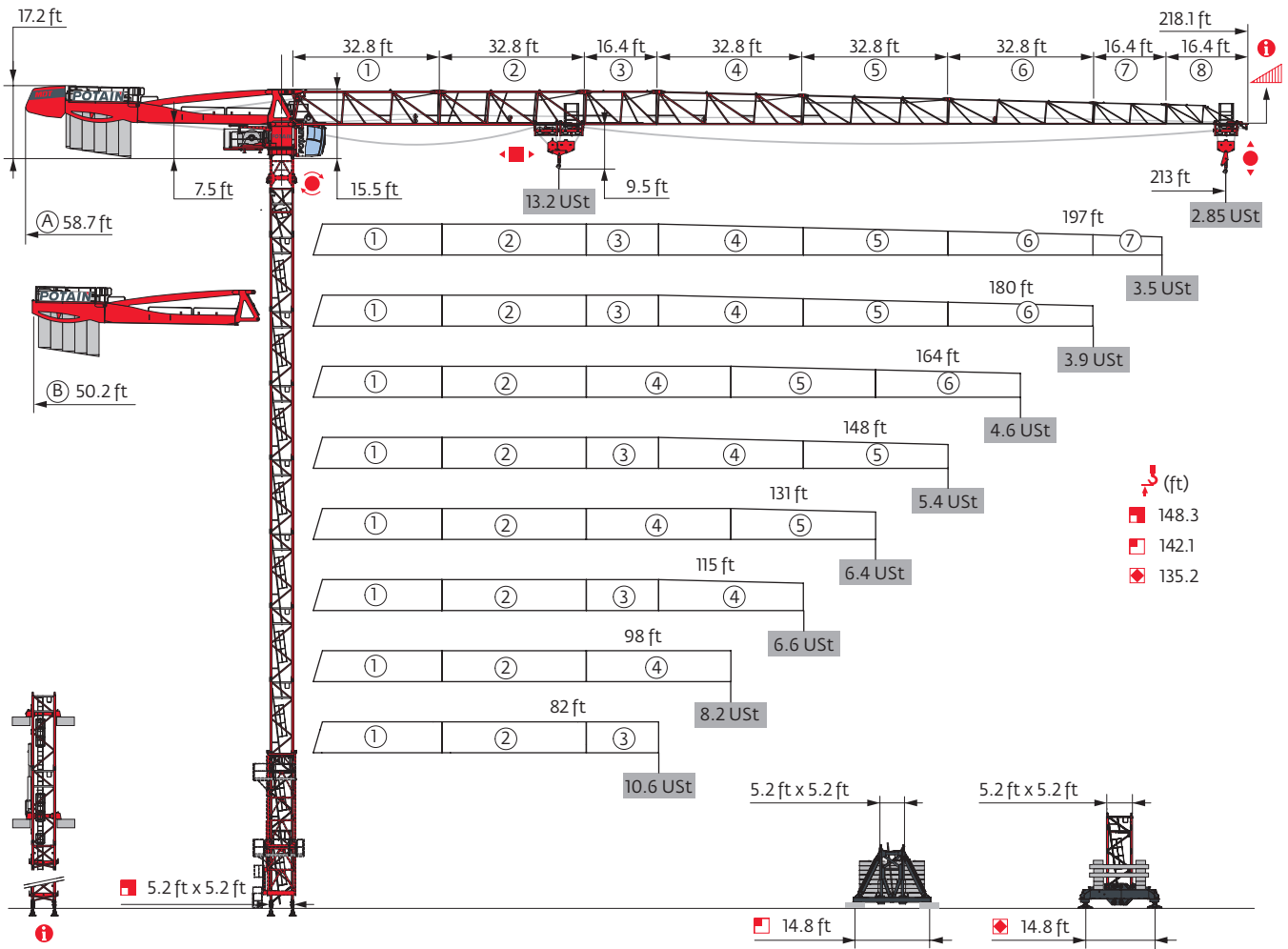


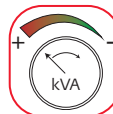
MDT 249 J12



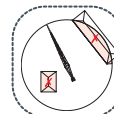
Potain Plus



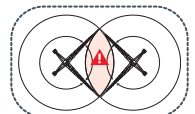
Power Control



Top Site



Top Tracing 3

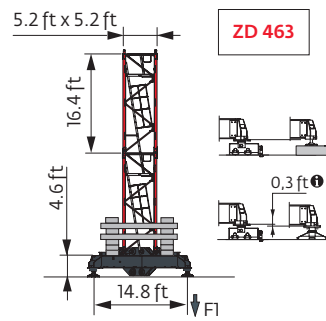
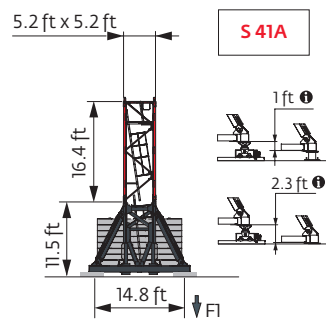
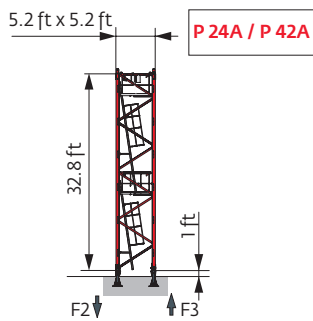


Mast - Reactions

| 5.2 ft City - P 42A | | | | | | | | | |
|---------------------|-------|-----|-----|-------|-----|-----|-----|-------|-------|
| Height (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 |
| Height (ft) | 147 | 147 | 147 | 141.7 | 147 | 147 | 147 | 136.2 | 136.2 |
| Height + P+ (ft) | 147 | 147 | 147 | 141.7 | 147 | 147 | 147 | 136.2 | 136.2 |
| 10.9 ft | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 2 | 2 |
| 16.4 ft | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 5 | 5 |
| 32.8 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| F2 (Ust) | ● 153 | 152 | 149 | 148 | 149 | 147 | 148 | 144 | 144 |
| | ■ 117 | 117 | 123 | 111 | 128 | 130 | 138 | 115 | 124 |
| F3 (Ust) | ● 119 | 117 | 112 | 111 | 103 | 101 | 101 | 97 | 97 |
| | ■ 83 | 82 | 87 | 73 | 89 | 91 | 97 | 75 | 83 |

| 5.2 ft City - S 41A | | | | | | | | | |
|---------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 |
| Height (ft) | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 135.5 | 130.2 | 135.5 |
| Height + P+ (ft) | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 135.5 | 130.2 | 135.5 |
| 10.9 ft | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 |
| 16.4 ft | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 7 |
| F1 (Ust) | ● 88 | 86 | 88 | 88 | 87 | 87 | 89 | 87 | 89 |
| | ■ 71 | 71 | 73 | 72 | 74 | 74 | 74 | 71 | 77 |

| 5.2 ft City - ZD 463 | | | | | | | | | |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 |
| Height (ft) | 134.2 | 134.2 | 134.2 | 134.2 | 134.2 | 134.2 | 128.6 | 123.4 | 128.6 |
| Height + P+ (ft) | 134.2 | 134.2 | 134.2 | 134.2 | 134.2 | 134.2 | 128.6 | 123.4 | 128.6 |
| 10.9 ft | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 1 |
| 16.4 ft | 8 | 8 | 8 | 8 | 8 | 8 | 7 | 6 | 7 |
| F1 (Ust) | ● 85 | 83 | 84 | 84 | 84 | 83 | 85 | 83 | 86 |
| | ■ 67 | 67 | 68 | 68 | 68 | 69 | 69 | 65 | 72 |




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.


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

Other mast compositions - Please consult us


5.2 ft - P 42A

| Height (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 |
|---|---------|-------|-------|-------|-------|-------|-------|-------|-------|
| \bar{z} (ft) | 148.3 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 | 131.9 | 131.9 |
| \bar{z}/P_z (ft) | 148.3 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 | 142.7 | 131.9 | 131.9 |
|  | 6.6 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 10.9 ft | 1 | 2 | 2 | 2 | 2 | 2 | 1 | 1 |
| | 16.4 ft | 6 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 32.8 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| F2 (Ust) | ● 158 | 152 | 149 | 152 | 149 | 147 | 148 | 143 | 144 |
| | ■ 137 | 127 | 133 | 129 | 138 | 139 | 147 | 120 | 128 |
| F3 (Ust) | ● 123 | 117 | 112 | 114 | 103 | 102 | 101 | 97 | 97 |
| | ■ 102 | 91 | 96 | 91 | 98 | 100 | 107 | 80 | 88 |

5.2 ft - S 41A

| Height (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 |
|---|---------|-------|-------|-------|-------|-------|-------|-------|-------|
| \bar{z} (ft) | 136.8 | 136.8 | 136.8 | 136.8 | 136.8 | 142.1 | 131.2 | 131.2 | 131.2 |
| \bar{z}/P_z (ft) | 136.8 | 136.8 | 136.8 | 136.8 | 136.8 | 142.1 | 131.2 | 131.2 | 131.2 |
|  | 6.6 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 10.9 ft | 2 | 2 | 2 | 2 | 1 | 0 | 0 | 0 |
| | 16.4 ft | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| F1 (Ust) | ● 90 | 86 | 88 | 88 | 88 | 90 | 88 | 89 | 89 |
| | ■ 76 | 73 | 76 | 75 | 76 | 81 | 76 | 76 | 78 |

5.2 ft - ZD 463

| Height (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 |
|---|---------|-------|-------|-------|-------|-------|-------|-------|-------|
| \bar{z} (ft) | 135.2 | 135.2 | 129.9 | 129.9 | 135.2 | 135.2 | 129.9 | 124.3 | 124.3 |
| \bar{z}/P_z (ft) | 135.2 | 135.2 | 129.9 | 129.9 | 135.2 | 135.2 | 129.9 | 124.3 | 124.3 |
|  | 6.6 ft | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| | 10.9 ft | 1 | 1 | 2 | 2 | 1 | 1 | 2 | 0 |
| | 16.4 ft | 7 | 7 | 6 | 6 | 7 | 7 | 6 | 7 |
| F1 (Ust) | ● 88 | 86 | 84 | 84 | 87 | 86 | 88 | 85 | 85 |
| | ■ 74 | 72 | 70 | 69 | 75 | 75 | 76 | 70 | 73 |

Anchorage



Base ballast

⚙️ (USt) / 5.2 ft City - S 41A - 🚧

| ▽\Δ\ (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 |
|-----------|------|------|------|------|------|------|------|------|------|
| 141.1 | 99.2 | 99.2 | 99.2 | 99.2 | 92.6 | 92.6 | | | |
| 135.5 | 99.2 | 92.6 | 92.6 | 92.6 | 86 | 86 | 92.6 | | 92.6 |
| 130.2 | 92.6 | 92.6 | 92.6 | 86 | 79.4 | 79.4 | 86 | 92.6 | 86 |
| 113.8 | 79.4 | 72.8 | 72.8 | 72.8 | 66.1 | 66.1 | 72.8 | 72.8 | 72.8 |
| 97.4 | 66.1 | 66.1 | 59.5 | 66.1 | 59.5 | 52.9 | 52.9 | 59.5 | 66.1 |
| 81 | 66.1 | 59.5 | 52.9 | 59.5 | 52.9 | 52.9 | 46.3 | 52.9 | 66.1 |
| 64.6 | 66.1 | 59.5 | 52.9 | 59.5 | 52.9 | 52.9 | 46.3 | 52.9 | 59.5 |

⚙️ (USt) / 5.2 ft City - ZD 463 - 🚧

| ▽\Δ\ (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 |
|-----------|------|------|------|------|------|------|------|------|------|
| 134.2 | 93.7 | 88.2 | 88.2 | 88.2 | 82.7 | 82.7 | | | |
| 128.6 | 88.2 | 88.2 | 82.7 | 82.7 | 77.2 | 77.2 | 82.7 | | 82.7 |
| 123.4 | 82.7 | 82.7 | 82.7 | 77.2 | 71.7 | 71.7 | 77.2 | 77.2 | 77.2 |
| 107 | 66.1 | 66.1 | 66.1 | 66.1 | 55.1 | 55.1 | 60.6 | 60.6 | 66.1 |
| 90.6 | 66.1 | 60.6 | 55.1 | 60.6 | 55.1 | 49.6 | 44.1 | 55.1 | 60.6 |
| 74.2 | 66.1 | 55.1 | 49.6 | 55.1 | 55.1 | 49.6 | 44.1 | 49.6 | 60.6 |
| 57.7 | 66.1 | 55.1 | 49.6 | 55.1 | 55.1 | 49.6 | 44.1 | 49.6 | 60.6 |

⚙️ (USt) / 5.2 ft - S 41A - 🚧

| ▽\Δ\ (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 |
|-----------|-------|------|------|------|------|------|------|------|------|
| 142.1 | | | | | | 99.2 | | | |
| 136.8 | 105.8 | 99.2 | 99.2 | 99.2 | 92.6 | 92.6 | | | |
| 131.2 | 99.2 | 92.6 | 92.6 | 92.6 | 86 | 86 | 92.6 | 92.6 | 92.6 |
| 114.8 | 79.4 | 79.4 | 79.4 | 79.4 | 72.8 | 72.8 | 72.8 | 79.4 | 72.8 |
| 98.4 | 66.1 | 66.1 | 66.1 | 66.1 | 59.5 | 59.5 | 59.5 | 59.5 | 66.1 |
| 82 | 66.1 | 59.5 | 52.9 | 59.5 | 52.9 | 52.9 | 46.3 | 59.5 | 66.1 |
| 65.6 | 66.1 | 59.5 | 52.9 | 52.9 | 52.9 | 52.9 | 46.3 | 52.9 | 66.1 |

⚙️ (USt) / 5.2 ft - ZD 463 - 🚧

| ▽\Δ\ (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 | 197 | 213 |
|-----------|------|------|------|------|------|------|------|------|------|
| 135.2 | 99.2 | 93.7 | | | 88.2 | 88.2 | | | |
| 129.9 | 93.7 | 88.2 | 88.2 | 88.2 | 82.7 | 82.7 | 88.2 | | |
| 124.3 | 88.2 | 82.7 | 82.7 | 82.7 | 77.2 | 77.2 | 82.7 | 82.7 | 82.7 |
| 107.9 | 71.7 | 71.7 | 66.1 | 66.1 | 60.6 | 60.6 | 66.1 | 66.1 | 66.1 |
| 91.5 | 66.1 | 60.6 | 55.1 | 60.6 | 49.6 | 55.1 | 49.6 | 55.1 | 60.6 |
| 75.1 | 66.1 | 55.1 | 49.6 | 55.1 | 49.6 | 49.6 | 44.1 | 49.6 | 60.6 |
| 58.7 | 66.1 | 55.1 | 49.6 | 49.6 | 49.6 | 49.6 | 44.1 | 49.6 | 60.6 |

Load curves



| | | (ft) | 49 | 56 | 66 | 72 | 82 | 89 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | 154 | 164 | 171 | 180 | 187 | 197 | 203 | 213 | ft |
|------------|---------|-----------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------|--------|
| 213 | 10 → 53 | 94 - 102 | 13.2 | 12.4 | 10.2 | 9.1 | 7.8 | 7.1 | 6.6 | 6.4 | 5.7 | 5.4 | 4.9 | 4.6 | 4.3 | 4 | 3.7 | 3.6 | 3.3 | 3.2 | 3 | 2.85 | 2.7 | USt |
| | 10 → 54 | 97 - 105 | 13.2 | 12.7 | 10.6 | 9.4 | 8.1 | 7.4 | 6.6 | 6.6 | 6 | 5.6 | 5.1 | 4.9 | 4.5 | 4.3 | 4 | 3.8 | 3.5 | 3.4 | 3.2 | 3 | 2.85 | USt P+ |
| 197 | 10 → 56 | 101 - 108 | 13.2 | 13.2 | 11.1 | 9.9 | 8.5 | 7.8 | 6.8 | 6.6 | 6.2 | 5.8 | 5.3 | 5 | 4.6 | 4.4 | 4.1 | 3.9 | 3.6 | 3.5 | 3.3 | | USt | |
| | 10 → 58 | 105 - 113 | 13.2 | 13.2 | 11.5 | 10.3 | 8.9 | 8.1 | 7.2 | 6.6 | 6.5 | 6.1 | 5.6 | 5.3 | 4.9 | 4.7 | 4.3 | 4.1 | 3.9 | 3.7 | 3.5 | | USt P+ | |
| 180 | 10 → 56 | 101 - 109 | 13.2 | 13.2 | 11.1 | 9.9 | 8.5 | 7.8 | 6.9 | 6.6 | 6.2 | 5.8 | 5.3 | 5 | 4.6 | 4.4 | 4.1 | 3.9 | 3.6 | | | | USt | |
| | 10 → 58 | 106 - 115 | 13.2 | 13.2 | 11.6 | 10.4 | 9 | 8.2 | 7.2 | 6.7 | 6.6 | 6.2 | 5.6 | 5.3 | 4.9 | 4.7 | 4.4 | 4.2 | 3.9 | | | | USt P+ | |
| 164 | 10 → 59 | 106 - 113 | 13.2 | 13.2 | 11.7 | 10.4 | 9 | 8.2 | 7.2 | 6.7 | 6.5 | 6.1 | 5.6 | 5.3 | 4.9 | 4.6 | 4.3 | | | | | | | USt |
| | 10 → 61 | 111 - 120 | 13.2 | 13.2 | 12.2 | 11 | 9.5 | 8.7 | 7.7 | 7.1 | 6.6 | 6.5 | 6 | 5.6 | 5.2 | 5 | 4.6 | | | | | | | USt P+ |
| 148 | 10 → 61 | 109 - 118 | 13.2 | 13.2 | 12.1 | 10.8 | 9.3 | 8.5 | 7.5 | 6.9 | 6.6 | 6.4 | 5.8 | 5.5 | 5.1 | | | | | | | | | USt |
| | 10 → 64 | 116 - 125 | 13.2 | 13.2 | 12.8 | 11.4 | 9.9 | 9.1 | 8 | 7.4 | 6.7 | 6.6 | 6.2 | 5.9 | 5.4 | | | | | | | | | USt P+ |
| 131 | 10 → 62 | 111 - 120 | 13.2 | 13.2 | 12.4 | 11.1 | 9.6 | 8.7 | 7.7 | 7.1 | 6.6 | 6.5 | 6 | | | | | | | | | | | USt |
| | 10 → 65 | 118 - 128 | 13.2 | 13.2 | 13.1 | 11.8 | 10.2 | 9.3 | 8.2 | 7.6 | 6.9 | 6.6 | 6.4 | | | | | | | | | | | USt P+ |
| 115 | 10 → 60 | 107 - 115 | 13.2 | 13.2 | 11.8 | 10.6 | 9.1 | 8.3 | 7.3 | 6.8 | 6.6 | | | | | | | | | | | | | USt |
| | 10 → 63 | 114 - 115 | 13.2 | 13.2 | 12.6 | 11.3 | 9.7 | 8.9 | 7.9 | 7.3 | 6.6 | | | | | | | | | | | | | USt P+ |
| 98 | 10 → 61 | | 13.2 | 13.2 | 12.2 | 10.9 | 9.4 | 8.6 | 7.5 | | | | | | | | | | | | | | | USt |
| | 10 → 64 | | 13.2 | 13.2 | 13 | 11.6 | 10.1 | 9.2 | 8.1 | | | | | | | | | | | | | | | USt P+ |
| 82 | 10 → 63 | | 13.2 | 13.2 | 12.6 | 11.3 | 9.7 | | | | | | | | | | | | | | | | | USt |
| | 10 → 67 | | 13.2 | 13.2 | 13.2 | 12.2 | 10.5 | | | | | | | | | | | | | | | | | USt P+ |

$\text{USt} = \text{USt} - 0.63 \text{ USt max.}$

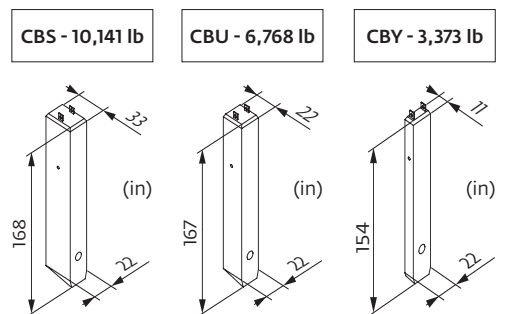


| | | (ft) | 49 | 56 | 66 | 72 | 82 | 89 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | 154 | 164 | 171 | 180 | 187 | 197 | 203 | 213 | ft |
|------------|--------|-----------|------|------|------|------|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|--------|
| 213 | 8 → 53 | 95 - 97 | 13.2 | 12.5 | 10.3 | 9.2 | 7.9 | 7.2 | 6.5 | 6 | 5.4 | 5 | 4.5 | 4.3 | 3.9 | 3.7 | 3.4 | 3.2 | 2.95 | 2.8 | 2.6 | 2.5 | 2.3 | USt |
| | 8 → 54 | 98 - 100 | 13.2 | 12.8 | 10.6 | 9.5 | 8.2 | 7.5 | 6.6 | 6.3 | 5.6 | 5.3 | 4.8 | 4.5 | 4.1 | 3.9 | 3.6 | 3.4 | 3.2 | 3 | 2.8 | 2.7 | 2.5 | USt P+ |
| 197 | 8 → 57 | 102 - 104 | 13.2 | 13.2 | 11.1 | 10 | 8.6 | 7.8 | 6.9 | 6.5 | 5.9 | 5.5 | 5 | 4.7 | 4.3 | 4.1 | 3.7 | 3.5 | 3.3 | 3.1 | 2.9 | | | USt |
| | 8 → 58 | 106 - 108 | 13.2 | 13.2 | 11.6 | 10.4 | 9 | 8.2 | 7.2 | 6.7 | 6.2 | 5.8 | 5.3 | 5 | 4.6 | 4.3 | 4 | 3.8 | 3.5 | 3.4 | 3.2 | | | USt P+ |
| 180 | 8 → 57 | 102 - 104 | 13.2 | 13.2 | 11.2 | 10 | 8.6 | 7.9 | 6.9 | 6.6 | 5.9 | 5.5 | 5 | 4.7 | 4.3 | 4.1 | 3.8 | 3.6 | 3.3 | | | | | USt |
| | 8 → 59 | 107 - 109 | 13.2 | 13.2 | 11.7 | 10.5 | 9 | 8.3 | 7.3 | 6.8 | 6.2 | 5.8 | 5.3 | 5 | 4.6 | 4.4 | 4 | 3.8 | 3.6 | | | | | USt P+ |
| 164 | 8 → 59 | 106 - 109 | 13.2 | 13.2 | 11.7 | 10.5 | 9 | 8.3 | 7.3 | 6.7 | 6.2 | 5.8 | 5.3 | 5 | 4.5 | 4.3 | 4 | | | | | | | USt |
| | 8 → 61 | 112 - 115 | 13.2 | 13.2 | 12.3 | 11 | 9.5 | 8.7 | 7.7 | 7.2 | 6.6 | 6.2 | 5.6 | 5.3 | 4.9 | 4.6 | 4.3 | | | | | | | USt P+ |
| 148 | 8 → 61 | 110 - 112 | 13.2 | 13.2 | 12.2 | 10.9 | 9.4 | 8.6 | 7.6 | 7 | 6.4 | 6 | 5.5 | 5.2 | 4.7 | | | | | | | | | USt |
| | 8 → 64 | 117 - 119 | 13.2 | 13.2 | 12.8 | 11.5 | 10 | 9.1 | 8.1 | 7.5 | 6.7 | 6.5 | 5.9 | 5.6 | 5.1 | | | | | | | | | USt P+ |
| 131 | 8 → 62 | 112 - 115 | 13.2 | 13.2 | 12.5 | 11.2 | 9.6 | 8.8 | 7.8 | 7.2 | 6.6 | 6.2 | 5.6 | | | | | | | | | | | USt |
| | 8 → 65 | 119 - 122 | 13.2 | 13.2 | 13.2 | 11.8 | 10.2 | 9.4 | 8.3 | 7.7 | 6.9 | 6.6 | 6.1 | | | | | | | | | | | USt P+ |
| 115 | 8 → 60 | 108 - 110 | 13.2 | 13.2 | 11.9 | 10.6 | 9.2 | 8.4 | 7.4 | 6.8 | 6.3 | | | | | | | | | | | | | USt |
| | 8 → 63 | | 13.2 | 13.2 | 12.6 | 11.3 | 9.8 | 9 | 7.9 | 7.4 | 6.6 | | | | | | | | | | | | | USt P+ |
| 98 | 8 → 61 | | 13.2 | 13.2 | 12.2 | 11 | 9.4 | 8.6 | 7.6 | | | | | | | | | | | | | | | USt |
| | 8 → 65 | | 13.2 | 13.2 | 13 | 11.7 | 10.1 | 9.3 | 8.2 | | | | | | | | | | | | | | | USt P+ |
| 82 | 8 → 63 | | 13.2 | 13.2 | 12.7 | 11.4 | 9.8 | | | | | | | | | | | | | | | | | USt |
| | 8 → 67 | | 13.2 | 13.2 | 13.2 | 12.2 | 10.6 | | | | | | | | | | | | | | | | | USt P+ |

$\text{USt} = \text{USt} - 0.18 \text{ USt max.}$

Jib weight & counter-jib ballast

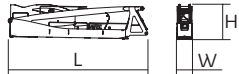
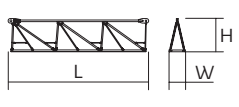
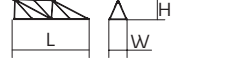

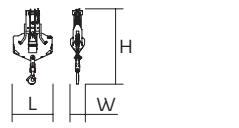
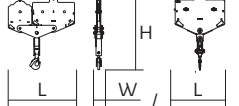
| ft | Jib Weight (lb) (+/- 5%) | | | CBS-10,141 lb | | | CBU-6,768 lb | | | CBY-3,373 lb | | |
|--------|--------------------------|----------|--------------|---------------|----------|--------------|--------------|----------|--------------|--------------|--------------|--------------|
| | 10,141 lb | 3,373 lb | Ballast (lb) | 10,141 lb | 3,373 lb | Ballast (lb) | 6,768 lb | 3,373 lb | Ballast (lb) | 3,373 lb | Ballast (lb) | Ballast (lb) |
| 213 ft | 27,761 | 26,985 | 27,961 | 5 | 1 | 54,079 | 7 | 2 | 54,123 | | | |
| 197 ft | 27,090 | 26,381 | 27,247 | 5 | 1 | 54,079 | 7 | 2 | 54,123 | | | |
| 180 ft | 26,420 | 25,710 | 26,577 | 5 | 0 | 50,706 | 7 | 1 | 50,750 | | | |
| 164 ft | 24,562 | 23,852 | 24,718 | 4 | 2 | 47,311 | 6 | 2 | 47,355 | | | |
| 148 ft | 24,877 | 24,167 | 25,033 | 4 | 2 | 47,311 | 6 | 2 | 47,355 | | | |
| 131 ft | 23,089 | 22,379 | 23,246 | 4 | 1 | 43,938 | 6 | 1 | 43,982 | | | |
| 115 ft | 22,824 | 22,115 | 22,981 | 4 | 0 | 40,565 | 5 | 2 | 40,587 | | | |
| 98 ft | 20,723 | 20,014 | 20,880 | 3 | 2 | 37,170 | 5 | 1 | 37,214 | | | |
| 82 ft | 19,557 | 18,847 | 19,714 | 3 | 1 | 33,797 | 4 | 2 | 33,819 | | | |

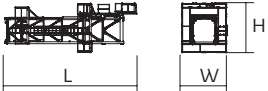
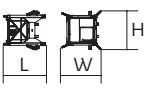
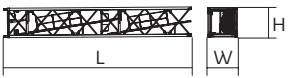
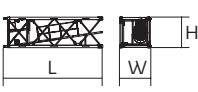
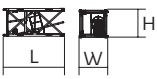
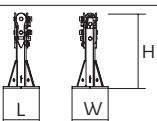
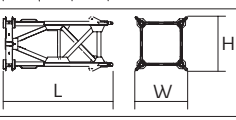
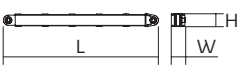
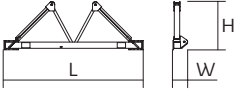
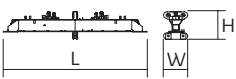
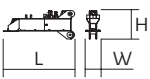


Dimensions and weight

Slewing crane part:  213 ft -  50 LVF



| Slewing crane part | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|-------------------------|---|------------------------------|--------------------------|------------------------|----------------------------------|
| Counter-jib |  | 36.1 36.1 | 3.8 3.8 | 8.1 8.1 | 19,213 18,629 |
| Towerhead + cab |  | 15.6 | 7.5 | 8.4 | 17,372 |
| Hoisting winch (+ rope) |  | 10.6 10.6 | 8.1 10.8 | 6.2 5.8 | 6,945 9,235 |
| Jib section |  | 35.5 | 5.6 | 9 | 7,959 |
| 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 |  | 17.3 16.7 | 3.9 3.9 | 7.8 5 | 2,116 683 |
| Jib section |  | 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 6.1 | 5 5 | 3 3.2 | 540 520 |
| Pulley block |  | 5.4 3.6 | 0.7 0.9 | 5.8 5.3 | 992 584 |

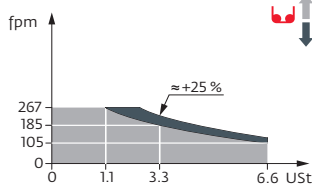
| Crane tower | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|---|---------------|------------------------------|--------------------------|--|
| Telescopic cage T 41  | 5.2 ft | 35.6 | 12.3 | 13.5 15,653 |
| K40/K40-2  | 5.2 ft | 7.3 | 6.9 | 6.8 2,932 |
| K 447E KM 447E KM 449E  | 5.2 ft | 33.5 33.5 33.5 | 5.3 5.3 5.3 | 5.3 5.3 5.3 7,474 7,088 8,830 |
| K 447A KMT 447A K 449A KMT 449A  | 5.2 ft | 17.1 17.1 17.1 17.1 | 5.5 5.5 5.5 5.5 | 5.3 5.3 5.3 5.3 4,079 3,847 4,916 4,696 |
| K 447C KMT 447C  | 5.2 ft | 11.3 11.6 | 5.5 5.5 | 5.3 5.3 2,998 2,976 |
| Fixing angles  | P 24A / P 42A | 1.8 | 1.8 | 3.8 529 |
| Basic mast unit  | S 41A | 11.9 | 6.4 | 6.8 7,132 |
| Struts  | S 41A | 10.4 | 0.9 | 0.8 816 |
| Half-bearer  | S 41A | 16.7 | 2 | 5.8 2,315 |
| 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 |

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 | 2,434 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 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
- 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: wind 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.

