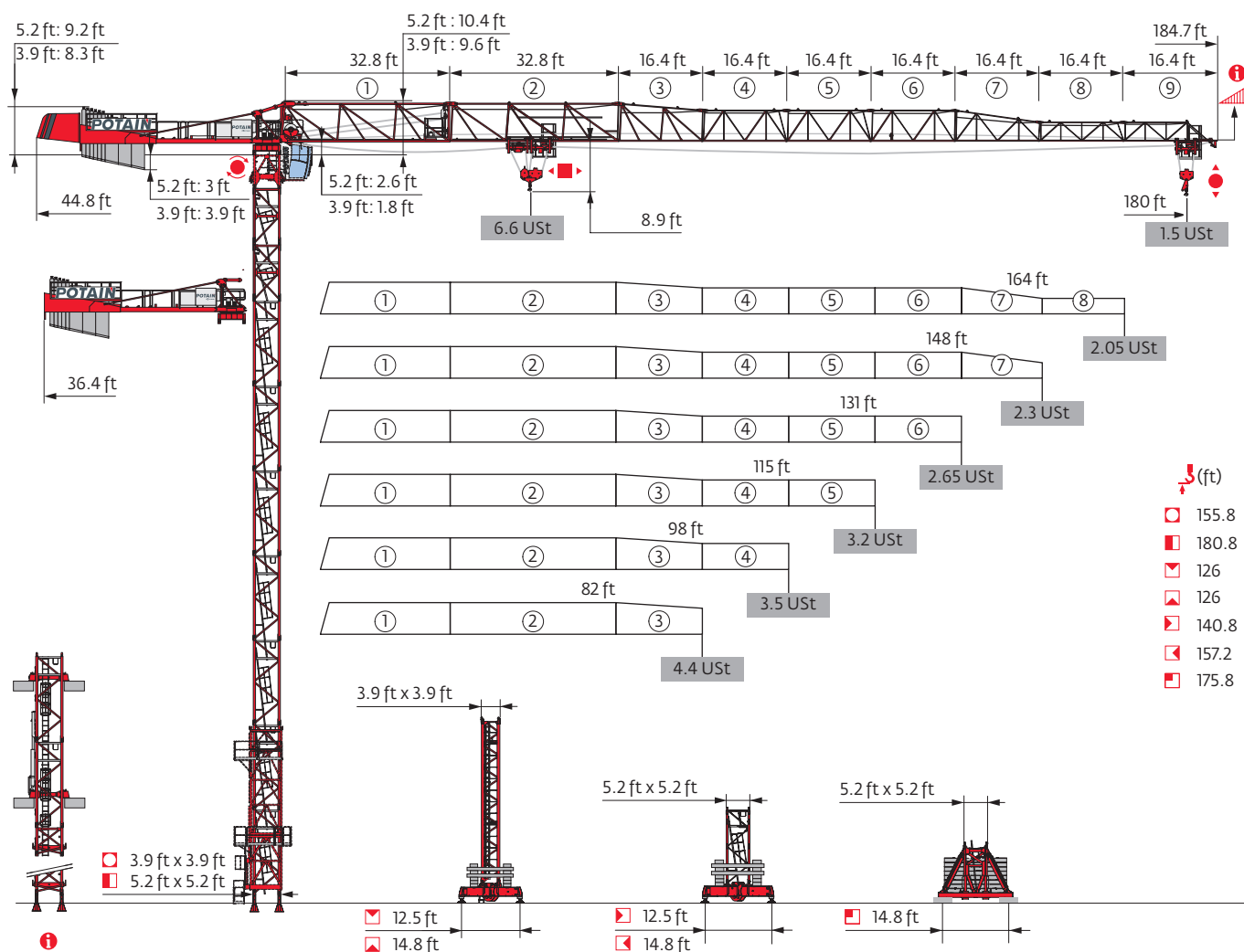


MDT 109

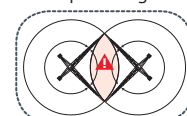
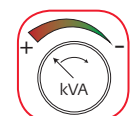


Potain Plus

Power Control

Top Site

Top Tracing 3



Mast - Reactions

| 3.9 ft City - P 12D | | | | | | | |
|---------------------|---------|-------|-------|-------|-------|-------|-------|
| MAJ (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 |
| ⬇️ (ft) | 131.2 | 131.2 | 131.2 | 131.2 | 121.4 | 121.4 | 121.4 |
| ⬇️/P+ (ft) | 131.2 | 131.2 | 131.2 | 131.2 | 121.4 | 121.4 | 121.4 |
| ⬇️ | 24.6 ft | 0 | 0 | 0 | 1 | 1 | 1 |
| | 34.4 ft | 4 | 4 | 4 | 3 | 3 | 3 |
| F2 (Ust) | ● 106 | 105 | 103 | 105 | 101 | 102 | 103 |
| | ■ 171 | 171 | 172 | 175 | 147 | 147 | 147 |
| F3 (Ust) | ● 84 | 82 | 79 | 81 | 76 | 76 | 77 |
| | ■ 152 | 151 | 151 | 153 | 125 | 125 | 124 |

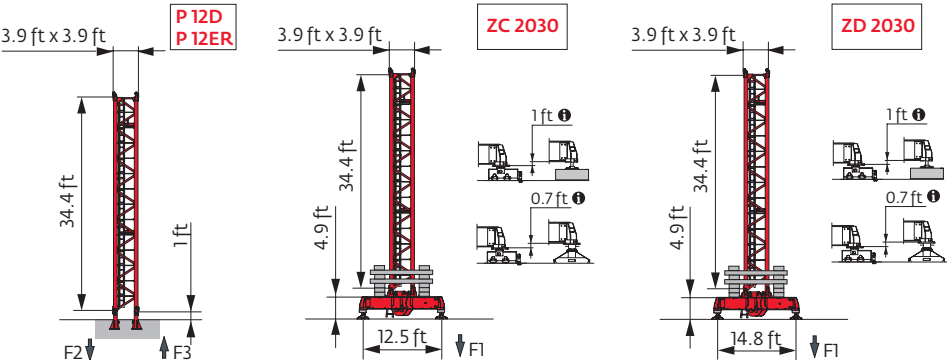
| 3.9 ft City - P 12ER | | | | | | | |
|----------------------|---------|-------|-------|-------|-------|-----|-----|
| MAJ (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 |
| ⬇️ (ft) | 146 | 155.8 | 155.8 | 155.8 | 155.8 | 146 | 146 |
| ⬇️/P+ (ft) | 146 | 155.8 | 155.8 | 155.8 | 155.8 | 146 | 146 |
| ⬇️ | 24.6 ft | 2 | 1 | 1 | 1 | 2 | 2 |
| | 34.4 ft | 3 | 4 | 4 | 4 | 3 | 3 |
| F2 (Ust) | ● 121 | 130 | 127 | 131 | 136 | 126 | 128 |
| | ■ 217 | 256 | 250 | 260 | 260 | 222 | 221 |
| F3 (Ust) | ● 97 | 104 | 100 | 103 | 107 | 98 | 99 |
| | ■ 196 | 233 | 227 | 236 | 235 | 197 | 196 |


| 3.9 ft City - ZC 2030 | | | | | | | |
|-----------------------|---------|-------|-------|-------|-----|-----|-----|
| MAJ (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 |
| ⬇️ (ft) | 116.1 | 116.1 | 116.1 | 116.1 | 126 | 126 | 126 |
| ⬇️/P+ (ft) | 116.1 | 116.1 | 116.1 | 116.1 | 126 | 126 | 126 |
| ⬇️ | 24.6 ft | 2 | 2 | 2 | 1 | 1 | 1 |
| | 34.4 ft | 2 | 2 | 2 | 3 | 3 | 3 |
| F1 (Ust) | ● 53 | 54 | 53 | 54 | 62 | 62 | 63 |
| | ■ 63 | 63 | 63 | 65 | 80 | 80 | 79 |

| 3.9 ft City - ZD 2030 | | | | | | | |
|-----------------------|---------|-----|-----|-------|-------|-------|-----|
| MAJ (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 |
| ⬇️ (ft) | 126 | 126 | 126 | 116.1 | 116.1 | 116.1 | 126 |
| ⬇️/P+ (ft) | 126 | 126 | 126 | 116.1 | 116.1 | 116.1 | 126 |
| ⬇️ | 24.6 ft | 1 | 1 | 1 | 2 | 2 | 1 |
| | 34.4 ft | 3 | 3 | 3 | 2 | 2 | 3 |
| F1 (Ust) | ● 51 | 52 | 51 | 46 | 47 | 47 | 53 |
| | ■ 65 | 65 | 65 | 54 | 54 | 54 | 66 |


| 5.2 ft City - P 41A | | | | | | | |
|---------------------|---------|-------|-------|-------|-------|-------|-------|
| MAJ (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 |
| ⬇️ (ft) | 180.8 | 180.8 | 180.8 | 175.5 | 175.5 | 175.5 | 175.5 |
| ⬇️/P+ (ft) | 180.8 | 180.8 | 180.8 | 175.5 | 175.5 | 175.5 | 175.5 |
| ⬇️ | 10.9 ft | 2 | 2 | 2 | 0 | 0 | 0 |
| | 16.4 ft | 10 | 10 | 10 | 11 | 11 | 11 |
| F2 (Ust) | ● 109 | 108 | 106 | 104 | 108 | 110 | 111 |
| | ■ 205 | 205 | 205 | 192 | 193 | 194 | 194 |
| F3 (Ust) | ● 81 | 79 | 77 | 74 | 78 | 78 | 79 |
| | ■ 180 | 180 | 179 | 166 | 166 | 166 | 165 |

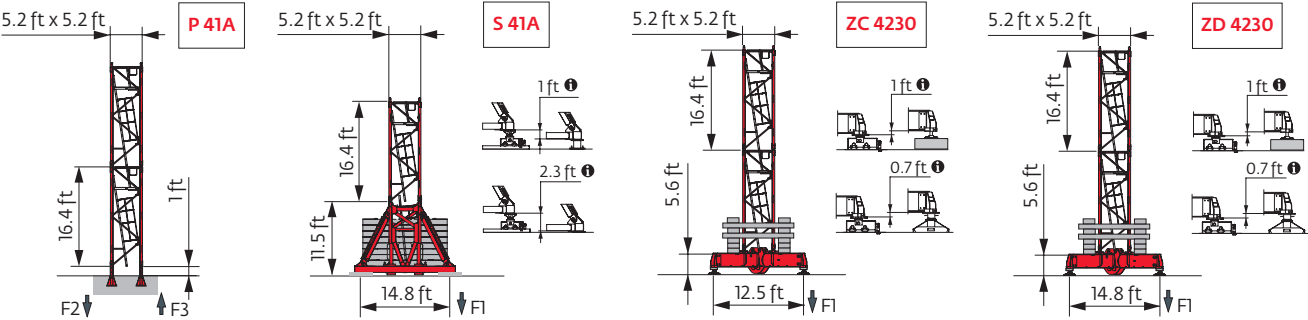
| 5.2 ft City - ZC 4230 | | | | | | | |
|-----------------------|---------|-------|-------|-------|-------|-------|-------|
| MAJ (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 |
| ⬇️ (ft) | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 |
| ⬇️/P+ (ft) | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 |
| ⬇️ | 10.9 ft | 1 | 1 | 1 | 1 | 1 | 1 |
| | 16.4 ft | 8 | 8 | 8 | 8 | 8 | 8 |
| F1 (Ust) | ● 64 | 64 | 64 | 65 | 65 | 65 | 66 |
| | ■ 83 | 82 | 82 | 84 | 84 | 84 | 83 |



| 5.2 ft City - ZD 4230 -  | | | | | | | |
|---|---------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 |
| Height (ft) | 151.6 | 157.2 | 157.2 | 157.2 | 157.2 | 157.2 | 157.2 |
| Height/Pt (ft) | 151.6 | 157.2 | 157.2 | 157.2 | 157.2 | 157.2 | 157.2 |
| Height (ft) | 10.9 ft | 2 | 1 | 1 | 1 | 1 | 1 |
| | 16.4 ft | 8 | 9 | 9 | 9 | 9 | 9 |
| FI (Ust) | 61 | 63 | 63 | 64 | 65 | 66 | 65 |
| | 82 | 87 | 87 | 88 | 88 | 88 | 88 |

| 5.2 ft - P 41A | | | | | | | |
|----------------|---------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 |
| Height (ft) | 176.5 | 176.5 | 176.5 | 170.9 | 170.9 | 170.9 | 170.9 |
| Height/Pt (ft) | 176.5 | 176.5 | 176.5 | 170.9 | 170.9 | 170.9 | 170.9 |
| Height (ft) | 6.6 ft | 1 | 1 | 1 | 1 | 1 | 1 |
| | 10.9 ft | 1 | 1 | 2 | 2 | 2 | 2 |
| | 16.4 ft | 10 | 10 | 9 | 9 | 9 | 9 |
| F2 (Ust) | 110 | 109 | 107 | 107 | 111 | 112 | 114 |
| | 208 | 209 | 209 | 202 | 203 | 203 | 203 |
| F3 (Ust) | 79 | 77 | 75 | 73 | 77 | 77 | 78 |
| | 180 | 180 | 180 | 172 | 172 | 172 | 171 |

| 5.2 ft - S 41A -  | | | | | | | |
|--|---------|-------|-------|-------|-------|-------|-------|
| Height (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 |
| Height (ft) | 170.6 | 175.8 | 175.8 | 175.8 | 175.8 | 175.8 | 175.8 |
| Height/Pt (ft) | 170.6 | 175.8 | 175.8 | 175.8 | 175.8 | 175.8 | 175.8 |
| Height (ft) | 6.6 ft | 1 | 1 | 1 | 1 | 1 | 1 |
| | 10.9 ft | 1 | 0 | 0 | 0 | 0 | 0 |
| | 16.4 ft | 9 | 10 | 10 | 10 | 10 | 10 |
| FI (Ust) | 75 | 78 | 78 | 79 | 80 | 81 | 82 |
| | 109 | 115 | 115 | 116 | 116 | 116 | 116 |













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.






Anchorage













Base ballast

|  (USt) /  3.9 ft City - ZC 2030 -  | | | | | | | |
|---|-------|------|------|------|------|------|------|
|  (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 |
| 126 | | | | | 82.7 | 82.7 | 82.7 |
|  (ft) | 116.1 | 66.1 | 66.1 | 66.1 | 66.1 | 71.7 | 71.7 |
| 81.7 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 47.3 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |

|  (USt) /  3.9 ft City - ZD 2030 -  | | | | | | | |
|---|-------|------|------|------|------|------|------|
|  (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 |
| 126 | 66.1 | 66.1 | 66.1 | | | | 60.6 |
|  (ft) | 116.1 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 81.7 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 47.3 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |







|  (USt) /  5.2 ft City - ZC 4230 -  | | | | | | | |
|---|------|------|------|------|------|------|------|
|  (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 |
| 140.8 | 88.2 | 88.2 | 88.2 | 88.2 | 82.7 | 82.7 | 82.7 |
| 124.3 | 60.6 | 60.6 | 55.1 | 60.6 | 66.1 | 66.1 | 66.1 |
| 107.9 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 55.1 |
|  (ft) | 91.5 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 75.1 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 58.7 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 42.3 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |



|  (USt) /  5.2 ft City - ZD 4230 -  | | | | | | | |
|---|-------|------|------|------|------|------|------|
|  (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 |
| 157.2 | | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 82.7 |
| 151.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 77.2 | 77.2 |
| 135.2 | 60.6 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 | 55.1 |
| 118.8 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
|  (ft) | 102.4 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 86 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 69.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 53.2 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |
| 36.8 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 | 49.6 |

|  (USt) /  5.2 ft - S 41A -  | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|
|  (ft) | 82 | 98 | 115 | 131 | 148 | 164 | 180 |
| 175.8 | | 125.7 | 125.7 | 125.7 | 125.7 | 125.7 | 125.7 |
| 170.6 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 119.1 | 112.4 |
| 154.2 | 92.6 | 92.6 | 92.6 | 92.6 | 86 | 86 | 86 |
| 137.8 | 66.1 | 66.1 | 66.1 | 66.1 | 59.5 | 59.5 | 59.5 |
| 121.4 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
|  (ft) | 105 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| 88.6 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| 72.2 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| 55.8 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |
| 39.4 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 | 46.3 |







Load curves





|  (ft) | | | 49 | 56 | 66 | 72 | 82 | 89 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | 154 | 164 | 171 | 180 | ft |
|--|---|---|---|-----|-----|-----|-----|-----|-----|---|-----|-----|------|-----|-----|------|------|-----|-----|-------------|
|  |  6.6 USt |  3.3 USt |  | | | | | | |  | | | | | | | | | | |
| 180 | 9 → 54 | 97 - 108 | 6.6 | 6.3 | 5.3 | 4.7 | 4.1 | 3.7 | 3.3 | 3.3 | 3.1 | 2.9 | 2.65 | 2.5 | 2.2 | 2.05 | 1.8 | 1.6 | 1.4 | USt |
| | 9 → 54 | 97 - 108 | 6.6 | 6.3 | 5.3 | 4.7 | 4.1 | 3.7 | 3.3 | 3.3 | 3.1 | 2.9 | 2.65 | 2.5 | 2.3 | 2.1 | 1.85 | 1.7 | 1.5 | USt P_{+} |
| 164 | 9 → 53 | 97 - 108 | 6.6 | 6.3 | 5.3 | 4.7 | 4 | 3.7 | 3.3 | 3.3 | 3.1 | 2.9 | 2.65 | 2.5 | 2.3 | 2.2 | 2.05 | | | USt |
| | 9 → 53 | 97 - 108 | 6.6 | 6.3 | 5.3 | 4.7 | 4 | 3.7 | 3.3 | 3.3 | 3.1 | 2.9 | 2.65 | 2.5 | 2.3 | 2.2 | 2.05 | | | USt P_{+} |
| 148 | 9 → 54 | 97 - 108 | 6.6 | 6.3 | 5.3 | 4.7 | 4.1 | 3.7 | 3.3 | 3.3 | 3.1 | 2.9 | 2.65 | 2.5 | 2.3 | | | | | USt |
| | 9 → 54 | 97 - 108 | 6.6 | 6.3 | 5.3 | 4.7 | 4.1 | 3.7 | 3.3 | 3.3 | 3.1 | 2.9 | 2.65 | 2.5 | 2.3 | | | | | USt P_{+} |
| 131 | 9 → 54 | 97 - 108 | 6.6 | 6.4 | 5.3 | 4.7 | 4 | 3.7 | 3.3 | 3.3 | 3.1 | 2.9 | 2.65 | | | | | | | USt |
| | 9 → 54 | 97 - 108 | 6.6 | 6.4 | 5.3 | 4.7 | 4 | 3.7 | 3.3 | 3.3 | 3.1 | 2.9 | 2.65 | | | | | | | USt P_{+} |
| 115 | 9 → 55 | 99 - 110 | 6.6 | 6.4 | 5.4 | 4.8 | 4.2 | 3.8 | 3.3 | 3.3 | 3.2 | | | | | | | | | USt |
| | 9 → 55 | 99 - 110 | 6.6 | 6.4 | 5.4 | 4.8 | 4.2 | 3.8 | 3.3 | 3.3 | 3.2 | | | | | | | | | USt P_{+} |
| 98 | 9 → 57 | | 6.6 | 6.6 | 5.6 | 4.9 | 4.2 | 3.8 | 3.3 | | | | | | | | | | | USt |
| | 9 → 57 | | 6.6 | 6.6 | 5.6 | 4.9 | 4.2 | 3.8 | 3.3 | | | | | | | | | | | USt P_{+} |
| 82 | 9 → 57 | | 6.6 | 6.6 | 5.6 | 4.9 | 4.2 | | | | | | | | | | | | | USt |
| | 9 → 57 | | 6.6 | 6.6 | 5.6 | 4.9 | 4.2 | | | | | | | | | | | | | USt P_{+} |








 =  - 0.43 USt max.



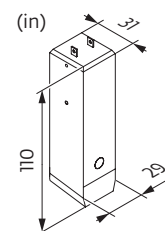
|  (ft) | | | 49 | 56 | 66 | 72 | 82 | 89 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | 154 | 164 | 171 | 180 | ft |
|--|--|--|--|-----|-----|-----|-----|-----|-----|--|------|------|-----|------|------|------|------|------|------|-------------|
|  |  6.6 USt |  3.3 USt |  | | | | | | |  | | | | | | | | | | |
| 180 | 7 → 55 | 103 - 105 | 6.6 | 6.5 | 5.5 | 4.9 | 4.3 | 3.9 | 3.5 | 3.3 | 2.95 | 2.75 | 2.5 | 2.35 | 2.1 | 1.9 | 1.65 | 1.45 | 1.3 | USt |
| | 7 → 55 | 103 - 105 | 6.6 | 6.5 | 5.5 | 4.9 | 4.3 | 3.9 | 3.5 | 3.3 | 2.95 | 2.75 | 2.5 | 2.35 | 2.15 | 1.95 | 1.75 | 1.55 | 1.35 | USt P_{+} |
| 164 | 7 → 55 | 102 - 104 | 6.6 | 6.5 | 5.5 | 4.9 | 4.3 | 3.9 | 3.4 | 3.3 | 2.95 | 2.75 | 2.5 | 2.35 | 2.15 | 2.05 | 1.9 | | | USt |
| | 7 → 55 | 102 - 104 | 6.6 | 6.5 | 5.5 | 4.9 | 4.3 | 3.9 | 3.4 | 3.3 | 2.95 | 2.75 | 2.5 | 2.35 | 2.15 | 2.05 | 1.9 | | | USt P_{+} |
| 148 | 7 → 55 | 102 - 104 | 6.6 | 6.5 | 5.5 | 4.9 | 4.3 | 3.9 | 3.5 | 3.3 | 2.95 | 2.75 | 2.5 | 2.35 | 2.15 | | | | | USt |
| | 7 → 55 | 102 - 104 | 6.6 | 6.5 | 5.5 | 4.9 | 4.3 | 3.9 | 3.5 | 3.3 | 2.95 | 2.75 | 2.5 | 2.35 | 2.15 | | | | | USt P_{+} |
| 131 | 7 → 56 | 102 - 104 | 6.6 | 6.6 | 5.5 | 4.9 | 4.3 | 3.9 | 3.5 | 3.3 | 2.95 | 2.75 | 2.5 | | | | | | | USt |
| | 7 → 56 | 102 - 104 | 6.6 | 6.6 | 5.5 | 4.9 | 4.3 | 3.9 | 3.5 | 3.3 | 2.95 | 2.75 | 2.5 | | | | | | | USt P_{+} |
| 115 | 7 → 57 | 105 - 106 | 6.6 | 6.6 | 5.6 | 5.1 | 4.4 | 4 | 3.6 | 3.3 | 3 | | | | | | | | | USt |
| | 7 → 57 | 105 - 106 | 6.6 | 6.6 | 5.6 | 5 | 4.4 | 4 | 3.6 | 3.3 | 3 | | | | | | | | | USt P_{+} |
| 98 | 7 → 58 | | 6.6 | 6.6 | 5.8 | 5.1 | 4.4 | 4 | 3.5 | | | | | | | | | | | USt |
| | 7 → 58 | | 6.6 | 6.6 | 5.8 | 5.1 | 4.4 | 4 | 3.5 | | | | | | | | | | | USt P_{+} |
| 82 | 7 → 58 | | 6.6 | 6.6 | 5.8 | 5.1 | 4.4 | | | | | | | | | | | | | USt |
| | 7 → 58 | | 6.6 | 6.6 | 5.8 | 5.1 | 4.4 | | | | | | | | | | | | | USt P_{+} |

 =  - 0.09 USt max.

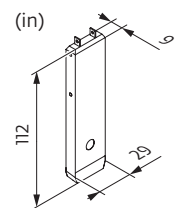
Jib weight & counter-jib ballast

|  |  (lb) - 25 LVF (+/- 5%) | | |  | | |
|---|---|---|---|---|----------|--|
| |  |  |  | 7,937 lb | 2,425 lb |  (lb) |
| 180 ft | 16,887 | 16,623 | 17,269 | 3 | 6 | 38,360 |
| 164 ft | 16,455 | 16,191 | 16,837 | 3 | 5 | 35,935 |
| 148 ft | 15,937 | 15,673 | 16,319 | 3 | 4 | 33,510 |
| 131 ft | 15,280 | 15,016 | 15,662 | 3 | 3 | 31,085 |
| 115 ft | 14,520 | 14,255 | 14,901 | 3 | 2 | 28,660 |
| 98 ft | 13,958 | 13,693 | 14,339 | 3 | 1 | 26,235 |
| 82 ft | 13,327 | 13,062 | 13,708 | 3 | 0 | 23,810 |

CAU - 7,937 lb












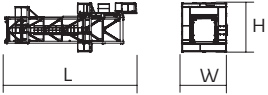





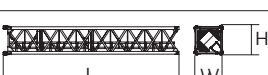


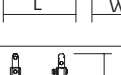


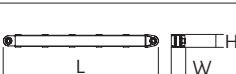


CAV - 2,425 lb













Dimensions and weight

Slewing crane part:  180 ft -  -  25 LVF

| Slewing crane part | | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|-------------------------|--|---|--------|--------|--------|----------------|
| Counter-jib | |  3.9 ft | 39.2 | 6.8 | 8.1 | 12,302 |
| | |  5.2 ft | 39.2 | 7.1 | 8.9 | 12,633 |
| Towerhead + cab | | Ultra View | 10.4 | 6.5 | 11.9 | 2,194 |
| Jib section | | ① 25 LVF 6 DVF | 34.8 | 8.8 | 8.6 | 7,253 |
| Jib section | | ④ | 17 | 3.4 | 6.3 | 886 |
| | | ⑤ | 17 | 3.4 | 6.3 | 756 |
| | | ⑥ | 17 | 3.4 | 6.2 | 756 |
| | | ⑧ | 16.9 | 3.4 | 3.9 | 503 |
| Jib section | | ② | 33.5 | 3.4 | 7.7 | 3,025 |
| Jib section | | ③ | 17 | 3.4 | 7.6 | 992 |
| | | ⑦ | 16.9 | 3.4 | 6.2 | 646 |
| Jib section | | ⑨ | 16.7 | 3.4 | 3.8 | 417 |
| Hoisting winch (+ rope) | | 25 LVF | 4.4 | 2.3 | 2.3 | 1,687 |
| | | 33 LVF | 4.5 | 3 | 2.9 | 2,116 |
| Trolley | |  6.6 USt | 5.2 | 4.4 | 2.9 | 617 |
| Pulley block | |  6.6 USt | 3 | 0.9 | 4.3 | 628 |
| Trolley | |  6.6 USt | 4.6 | 4.1 | 3.1 | 617 |
| Trolley | |  6.6 USt | 4.7 | 4.1 | 3.1 | 617 |
| | |  3.3 USt | 5 | 4.3 | 3.1 | 518 |
| Pulley block | |  6.6 USt | 4.1 | 0.9 | 5 | 551 |
| | |  3.3 USt | 2.6 | 0.7 | 4.2 | 287 |

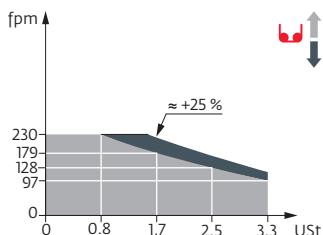
| Crane tower | | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|--|---|--|------------------------------|--------------------------|--------------------------|----------------------------------|
| Telescopic cage T 41 |  | 5.2 ft | 35.6 | 12.3 | 13.5 | 15,653 |
| K40/K40 |  | 5.2 ft | 7.3 | 6.9 | 6.8 | 3,208 |
| K 447B K 447E KM 447E KM 449E |  | 5.2 ft | 33.5 33.5 33.5 33.5 | 5.5 5.3 5.3 5.3 | 5.3 5.3 5.3 5.3 | 7,606 7,474 7,088 8,448 |
| 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 |  | 5.2 ft | 11.3 | 5.5 | 5.3 | 2,998 |
| S 28ES-2 SR 26E-2 SR 28ER-2 |  | 3.9 ft | 35.3 35.3 35.3 | 4.2 4.2 4.2 | 4.2 4.2 4.2 | 7,604 6,735 8,867 |
| SR 25F-2 |  | 3.9 ft | 25.4 | 4.2 | 4.2 | 4,447 |
| SR 26X-2 |  | 3.9 ft | 10.7 | 4.1 | 4.1 | 2,169 |
| K40/L20-2 |  | 5.2/3.9 ft | 9.7 | 6.8 | 6.9 | 4,630 |
| Fixing angles |  | P 12D P 12ER P 41A | 1.6 2.6 1.2 | 1.6 2.6 1.2 | 3.7 4.3 3.7 | 357 1,102 293 |
| Basic mast unit |  | S 41A | 11.9 | 6.4 | 6.8 | 6,537 |
| Struts |  | S 41A | 10.4 | 0.9 | 0.8 | 489 |
| Half-bearer |  | S 41A | 16.7 | 2 | 5.8 | 2,524 |
| Cross girder |  | ZC 2030 ZD 2030 ZC 4230 ZD 4230 | 18.5 21.7 18.5 21.8 | 2.7 2.7 2.7 2.7 | 3.8 3.8 3.4 3.4 | 3,307 3,726 3,505 4,035 |
| Cross girder |  | ZC 2030 ZD 2030 ZC 4230 ZD 4230 | 18.5 21.7 18.5 21.8 | 1.5 1.5 1.5 1.5 | 4.8 4.8 4.4 4.4 | 3,825 4,255 4,178 4,707 |

Mechanisms

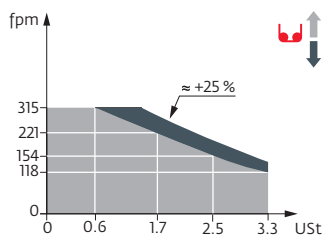
| 480 V - 60 Hz | | |  | | | |  | | | | hp | kW |  |
|---|---|-----|---|-----|-----|-----|--|----|-----|-----|---------|-------|---|
|  | 25 LVF 15 Optima | fpm | 97 | 128 | 179 | 230 | 49 | 66 | 92 | 115 | 25 | 18 | 912 ft |
| | | USt | 3.3 | 2.5 | 1.7 | 0.8 | 6.6 | 5 | 3.3 | 1.8 | | | |
|  | 33 LVF 15 Optima | fpm | 118 | 154 | 221 | 315 | 59 | 79 | 116 | 157 | 33 | 22 | 1,001 ft |
| | | USt | 3.3 | 2.5 | 1.7 | 0.6 | 6.6 | 5 | 3.3 | 1.4 | | | |
|  | 6 DVF 4 Optima | fpm | 0 → 262 (6.6 USt) 0 → 328 (2.2 USt) | | | | | | | | 5.5 | 4 |  |
|  | RVF 152 Optima+ | rpm | 0 → 0,8 | | | | | | | | 2 x 5.5 | 2 x 4 | |
|  |  | | | | | | | | | | | | |

| | | |
|------------------------|--|------------|
| | IEC 60204-32 | kVA |
| 480 V (+6% -10%) 60 Hz | 25 LVF: 34 → 24 kVA 33 LVF: 41 → 28 kVA | |

25 LVF 15 Optima



33 LVF 15 Optima



These mast combinations meet the EN 14439 and ASME B30.3-2012 specifications for "out of service" wind conditions, provided the illustrated wind speed matches required design wind 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-A. 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 50-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: winch 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 | | |



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