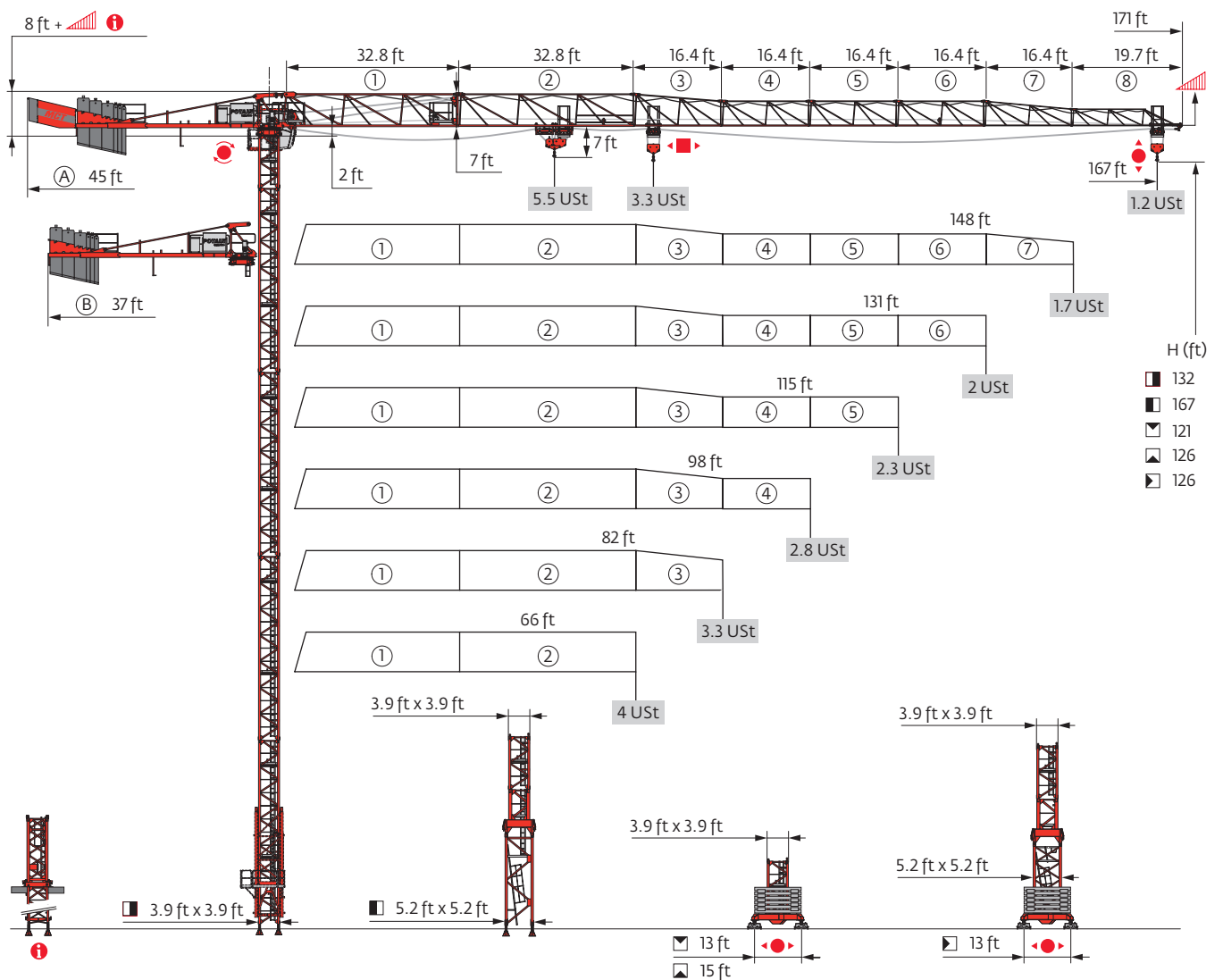


Potain MCT 78

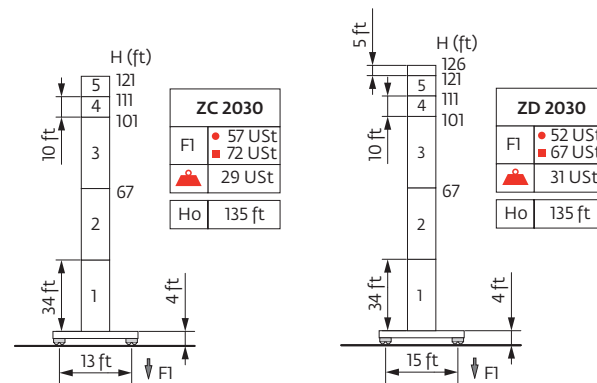
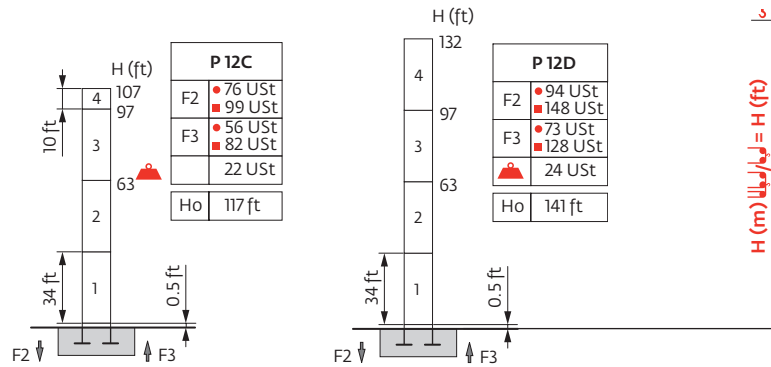
Data Sheet

FEM 1.001-A3

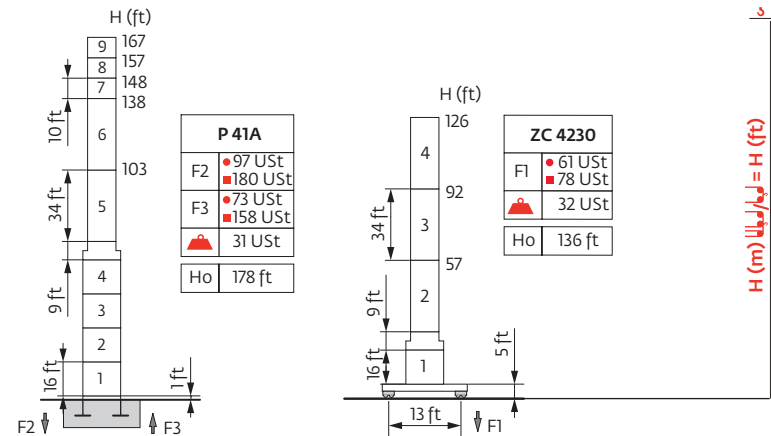
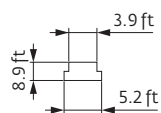


Mast

3.9 ft
66 ft → 167 ft



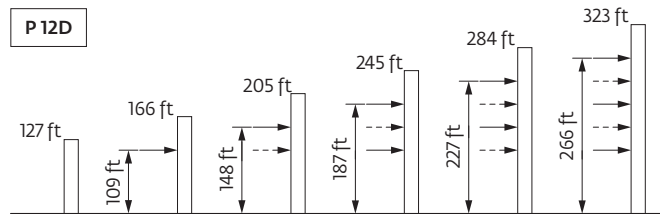
5.2 ft/3.9 ft
66 ft → 167 ft



| | | | |
|---------|--------|---------------|-----------------|
| ZC 4230 | H1 = H | H2 = H + 1 ft | H3 = H + 0.7 ft |
| ZC 2030 | H1 = H | H2 = H + 1 ft | H3 = H + 0.7 ft |
| ZD 2030 | H1 = H | H2 = H + 1 ft | H3 = H + 0.7 ft |

| | |
|---|--|
| ● | Reactions in service |
| ■ | Reactions out of service |
| ▲ | Weight without load, without ballast, with jib and max. height |

Anchorage



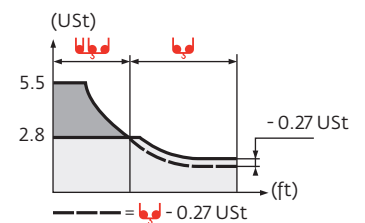
Load charts











| | | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 167 ft | 9 | ▶ | 41 | 49 | 56 | 66 | 73 | 79 | 82 | 89 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | 154 | 164 | 167 | ft |
| ▲▼▲ | | | 5.5 | 4.5 | 3.9 | 3.1 | 2.8 | 2.8 | 2.6 | 2.4 | 2.1 | 2 | 1.8 | 1.7 | 1.5 | 1.4 | 1.3 | 1.2 | 1.2 | 1.1 | USt |
| 148 ft | 9 | ▶ | | 50 | 56 | 66 | 72 | 82 | 88 | 96 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | | | | ft |
| ▲▼▲ | | | | 5.5 | 4.9 | 4 | 3.5 | 3 | 2.8 | 2.8 | 2.6 | 2.5 | 2.3 | 2.1 | 1.9 | 1.8 | 1.7 | | | | USt |
| 131 ft | 9 | ▶ | | 50 | 56 | 66 | 72 | 82 | 88 | 96 | 98 | 105 | 115 | 121 | 131 | | | | | | ft |
| ▲▼▲ | | | | 5.5 | 4.9 | 4 | 3.5 | 3 | 2.8 | 2.8 | 2.7 | 2.5 | 2.3 | 2.1 | 1.9 | | | | | | USt |
| 115 ft | 9 | ▶ | | 50 | 56 | 66 | 72 | 82 | 88 | 96 | 98 | 105 | 115 | | | | | | | | ft |
| ▲▼▲ | | | | 5.5 | 4.9 | 4 | 3.5 | 3 | 2.8 | 2.8 | 2.7 | 2.5 | 2.3 | | | | | | | | USt |
| 98 ft | 9 | ▶ | | 50 | 56 | 66 | 72 | 82 | 88 | 96 | 98 | | | | | | | | | | ft |
| ▲▼▲ | | | | 5.5 | 4.9 | 4 | 3.5 | 3 | 2.8 | 2.8 | 2.7 | | | | | | | | | | USt |
| 82 ft | 9 | ▶ | | 50 | 56 | 66 | 72 | 82 | | | | | | | | | | | | | ft |
| ▲▼▲ | | | | 5.5 | 4.9 | 4 | 3.5 | 3 | | | | | | | | | | | | | USt |
| 66 ft | 9 | ▶ | | 50 | 56 | 66 | | | | | | | | | | | | | | | ft |
| ▲▼▲ | | | | 5.5 | 4.9 | 4 | | | | | | | | | | | | | | | USt |





| | | | | | | | | | | | | | | | | | | | | |
|--------|---|---|--|--|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 167 ft | 7 | ▶ | | | | 69 | 72 | 82 | 89 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | 154 | 164 | 167 | ft |
| ▲▼▲ | | | | | | 3.3 | 3.1 | 2.7 | 2.5 | 2.2 | 2 | 1.8 | 1.7 | 1.5 | 1.5 | 1.4 | 1.3 | 1.2 | 1.2 | USt |
| 148 ft | 7 | ▶ | | | | | | 83 | 89 | 98 | 105 | 115 | 121 | 131 | 138 | 148 | | | | ft |
| ▲▼▲ | | | | | | | | 3.3 | 3.1 | 2.8 | 2.5 | 2.3 | 2.1 | 2 | 1.9 | 1.7 | | | | USt |
| 131 ft | 7 | ▶ | | | | | | 83 | 89 | 98 | 105 | 115 | 121 | 131 | | | | | | ft |
| ▲▼▲ | | | | | | | | 3.3 | 3.1 | 2.8 | 2.5 | 2.3 | 2.1 | 2 | | | | | | USt |
| 115 ft | 7 | ▶ | | | | | | 83 | 89 | 98 | 105 | 115 | | | | | | | | ft |
| ▲▼▲ | | | | | | | | 3.3 | 3.1 | 2.8 | 2.5 | 2.3 | | | | | | | | USt |
| 98 ft | 7 | ▶ | | | | | | 83 | 89 | 98 | | | | | | | | | | ft |
| ▲▼▲ | | | | | | | | 3.3 | 3.1 | 2.8 | | | | | | | | | | USt |
| 82 ft | 7 | ▶ | | | | | | 82 | | | | | | | | | | | | ft |
| ▲▼▲ | | | | | | | | 3.3 | | | | | | | | | | | | USt |
| 66 ft | 7 | ▶ | | | | | | | | | | | | | | | | | | ft |
| ▲▼▲ | | | | | | | | | | | | | | | | | | | | USt |



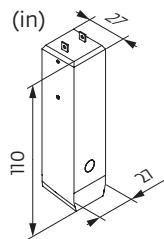
Base ballast

| | | | | | | |
|--|--|---|-----|-----|-----|-----|
|  3.9 ft | ZC 2030  | H (ft)  (USt) | 121 | 111 | 101 | 67 |
| | ZD 2030  | H (ft)  (USt) | 83 | 61 | 50 | 33 |
|  3.9 ft/5.2 ft | ZC 4230  | H (ft)  (USt) | 126 | 121 | 111 | 101 |
| | | | 72 | 61 | 50 | 33 |
| | | | 88 | 33 | 33 | 22 |

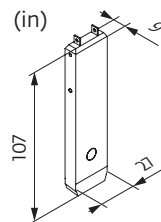
Counter-jib ballast

|  | 6614 lb | 2205 lb |  (lb) |
|---|---------|---------|--|
| 167 ft | 3 | 3 | 26,457 |
| 148 ft | 3 | 3 | 26,457 |
| 131 ft | 3 | 2 | 24,252 |
| 115 ft | 3 | 1 | 22,047 |
| 98 ft | 2 | 2 | 17,638 |
| 82 ft | 2 | 1 | 15,433 |
| 66 ft | 2 | 0 | 13,228 |

CBP - 6614 lb



CBQ - 2205 lb

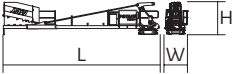
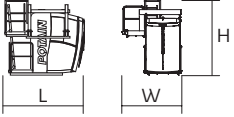
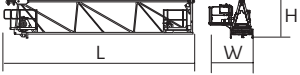
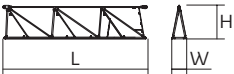

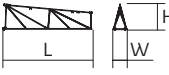
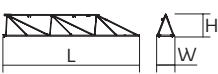
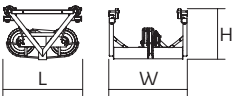

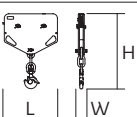

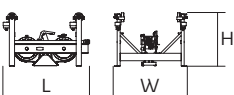

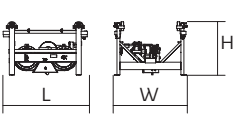


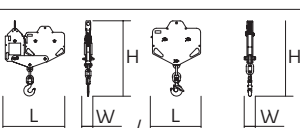




| | |
|---|---------------------------|
|  | Total ballast weight |
|  | Tightened anchorage frame |
|  | Loosened anchorage frame |

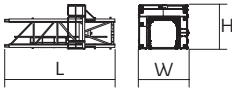




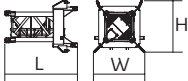
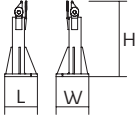
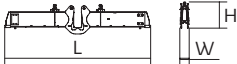
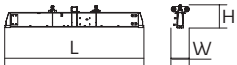
Component weights

Crane upper :  167 ft -  25 LVF











| | | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|-------------|--|--|----------------------|-------------------|-------------------|-------------------|
| Counter-jib |  | Ⓐ Ⓑ | 39 39 | 5.8 5.8 | 8.1 8.1 | 9656 9370 |
| Cab |  | Ultra View | 9.5 | 7.8 | 9.9 | 2425 |
| Jib section |  | ① 25 LVF 4 DVF | 35.3 | 5.9 | 7.2 | 6107 |
| Jib section |  | ② | 33.5 | 2.6 | 6.4 | 2513 |
| Jib section |  | ④ ⑤ ⑥ | 16.9 16.9 16.8 | 2.6 2.6 2.6 | 6.2 4.9 4.9 | 717 639 628 |
| Jib section |  | ③ ⑦ | 17 16.8 | 2.6 2.6 | 6.3 4.8 | 882 430 |
| Jib section |  | ⑧ | 19.8 | 2.6 | 3.3 | 386 |
| Trolley |  |  3.3 USt | 2.9 | 3.1 | 2.3 | 265 |
| Hookblock |  |  3.3 USt | 2.4 | 0.5 | 3.2 | 243 |
| Trolley |  |  5.5 USt | 3.6 | 3.3 | 2.4 | 287 |
| Trolley |  |  5.5 USt  2.8 USt | 3.7 3.7 | 3.3 3.3 | 2.4 2.4 | 254 364 |
| Hookblock |  |  5.5 USt  2.8 USt | 3.6 2.4 | 0.7 0.7 | 4.5 3.7 | 518 298 |



Component weights









| | | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|---------------------------------|---|-------------------------------|----------------------|-------------------|-------------------|----------------------|
| Climbing cage |  | 3.9 ft | 20.5 | 9.2 | 7.9 | 2921 |
| Climbing mast |  | 3.9 ft | 5.6 | 5.1 | 5.2 | 1334 |
| S 24E-2 SR 24E-2 SR 26E-2 |  | 3.9 ft | 35.1 35.1 35.3 | 4.2 4.1 4.2 | 4.2 4.1 4.2 | 4828 4850 6338 |
| S 24A-2 |  | 3.9 ft | 10.5 | 4.3 | 4.2 | 1576 |
| K 439A K 437A |  | 5.2 ft | 17.1 17.1 | 5.5 5.5 | 5.3 5.3 | 4916 4079 |
| Connecting mast |  | 5.2/3.9 ft | 9.6 | 6.8 | 6.9 | 4630 |
| Fixing angles |  | P 12C P 12D P 41A | 1.6 1.6 1.2 | 1.6 1.6 1.2 | 3.7 3.7 3.7 | 243 364 298 |
| Cross girder |  | ZC 2030 ZC 4230 ZD 2030 | 18.5 18.5 21.7 | 1.5 1.5 1.5 | 4.8 4.4 4.8 | 3825 4178 4255 |
| Cross girder |  | ZC 2030 ZC 4230 ZD 2030 | 18.5 18.5 21.7 | 2.7 2.7 2.7 | 3.8 3.4 3.8 | 3307 3505 3726 |



| | |
|---|--|
|  | Truck 44 ft |
|  | Container High Cube 40 ft, and/or Flat Rack 20 ft |

Mechanisms

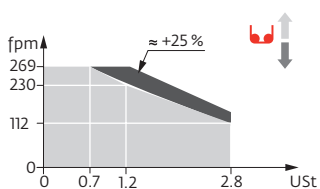
| 400 V - 50 Hz | | |  | | | |  | | | | hp | kW |  |
|---|------------------|-----|---|-----|-----|-----|---|-----|-----|-----|-------|---------|---|
|  | 25 LVF 13 Optima | fpm | 112 | 184 | 230 | 269 | 56 | 92 | 115 | 135 | 25 | 18 | 1079 ft |
| | | USt | 2.8 | 1.6 | 1.2 | 0.7 | 5.5 | 3.2 | 2.4 | 1.4 | | | |
| | 25 LVF 15 Optima | fpm | 98 | 157 | 197 | 236 | | | | | 25 | 18 | 748 ft |
| | | USt | 3.3 | 1.9 | 1.4 | 0.8 | | | | | | | |
|  | 4 DVF 3 | fpm | 0 → 207 | | | | | | | | 5 | 3.7 | |
|  | RVF 151 Optima+ | rpm | 0 → 0.8 | | | | | | | | 5.5 | 4 | |
| ZC 2030 ZD 2030  | RT 224 | fpm | 82 | | | | | | | | 2 x 4 | 2 x 2.9 | |
| ZC 4230  | RT 324 | fpm | 41 - 82 | | | | | | | | 2 x 7 | 2 x 5.2 | |

| | |
|--|---|
|  IEC 60204-32 |  |
| 400 V (+10% -10%) 50 Hz | 25 LVF : 35 kVA |

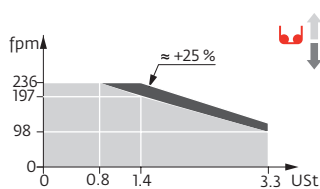
| 480 V - 60 Hz | | |  | | | |  | | | | hp | kW |  |
|---|------------------|-----|--|-----|-----|-----|--|-----|-----|-----|---------|---------|--|
|  | 25 LVF 13 Optima | fpm | 112 | 184 | 230 | 269 | 56 | 92 | 115 | 135 | 25 | 18 | 1079 ft |
| | | USt | 2.8 | 1.6 | 1.2 | 0.7 | 5.5 | 3.2 | 2.4 | 1.4 | | | |
| | 25 LVF 15 Optima | fpm | 98 | 157 | 197 | 236 | | | | | 25 | 18 | 748 ft |
| | | USt | 3.3 | 1.9 | 1.4 | 0.8 | | | | | | | |
|  | 4 DVF 3 | fpm | 0 → 207 | | | | | | | | 5 | 3.7 | |
|  | RVF 151 Optima+ | rpm | 0 → 0.8 | | | | | | | | 5.5 | 4 | |
| ZC 2030 ZD 2030  | RT 224 | fpm | 98 | | | | | | | | 2 x 4.8 | 2 x 3.5 | |
| ZC 4230  | RT 324 | fpm | 49 - 98 | | | | | | | | 2 x 8.4 | 2 x 6.2 | |



| | |
|--|---|
|  IEC 60204-32 |  |
| 480 V (+6% -10%) 60 Hz | 25 LVF : 35 kVA |

25 LVF 13 Optima



25 LVF 15 Optima



| | |
|---|-------------|
|  | Hoisting |
|  | Slewing |
|  | Travelling |
|  | Rated power |
|  | Consult us |

Notes

Constant improvement and engineering progress make it necessary that we reserve the right to make specification, equipment and price changes without notice. Illustrations shown may include optional equipment and accessories, and may not include all standard equipment.



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