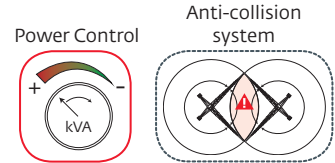
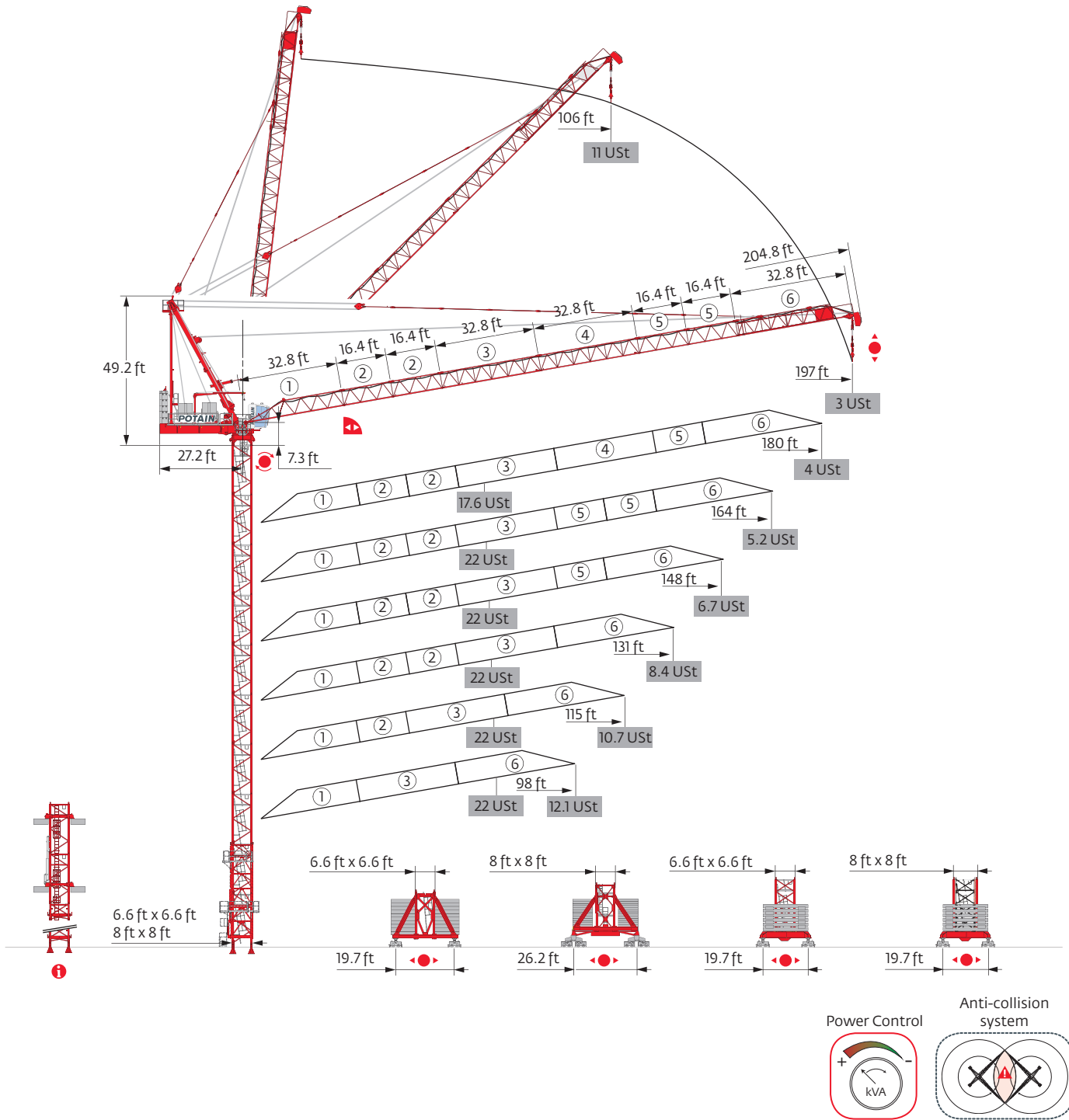
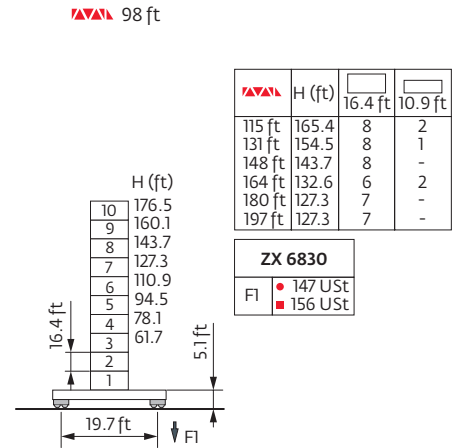
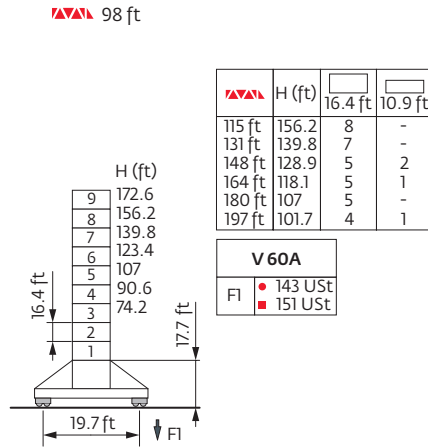
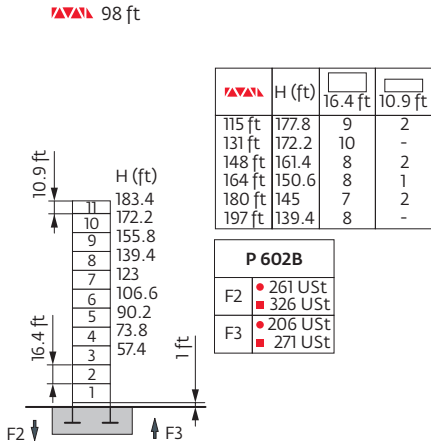


MR 295 H20

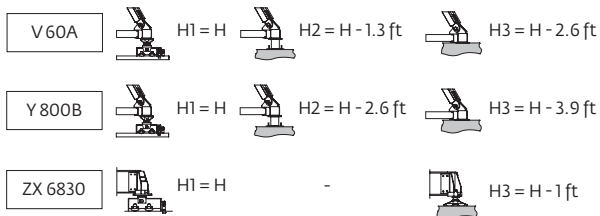
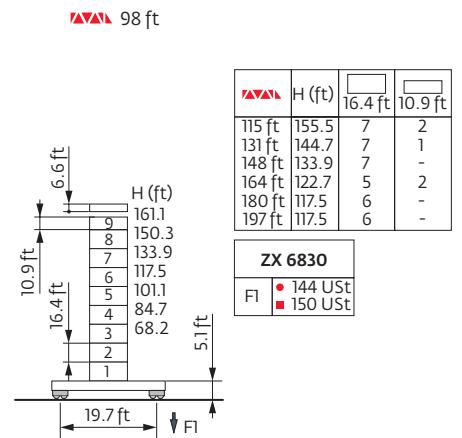
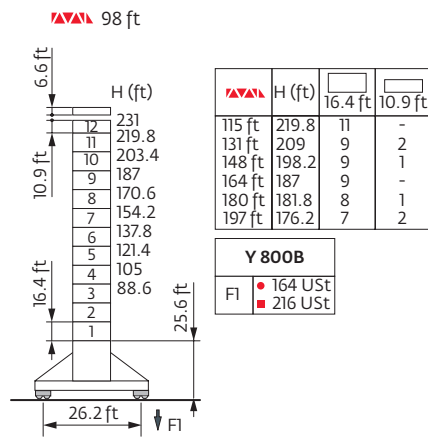
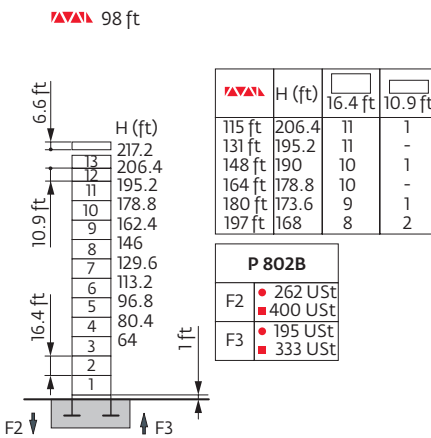


Mast - Reactions

6.6 ft



8 ft



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 of Cab-IN and TCL types: Adapted mast compositions, base ballast and reactions.

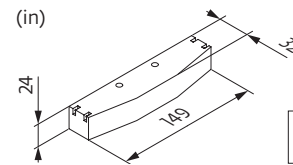
Base ballast

| | 6.6 ft | | | | 8 ft | | | |
|--------|--------|-------|---------|-------|--------|-------|---------|-------|
| | V 60A | | ZX 6830 | | Y 800B | | ZX 6830 | |
| | H (ft) | USt | H (ft) | USt | H (ft) | USt | H (ft) | USt |
| 98 ft | 172.6 | 145.5 | 176.5 | 155.4 | 231 | 185.2 | 161.1 | 144.4 |
| 115 ft | 156.2 | 145.5 | 165.4 | 166.5 | 219.8 | 198.4 | 155.5 | 166.5 |
| 131 ft | 139.8 | 145.5 | 154.5 | 166.5 | 209 | 198.4 | 144.7 | 155.4 |
| 148 ft | 128.9 | 145.5 | 143.7 | 166.5 | 198.2 | 198.4 | 133.9 | 155.4 |
| 164 ft | 118.1 | 145.5 | 132.6 | 166.5 | 187 | 198.4 | 122.7 | 155.4 |
| 180 ft | 107 | 145.5 | 127.3 | 188.5 | 181.8 | 198.4 | 117.5 | 166.5 |
| 197 ft | 101.7 | 145.5 | 127.3 | 199.5 | 176.2 | 198.4 | 117.5 | 177.5 |

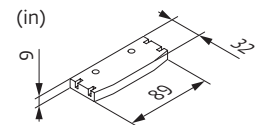
Jib weight & counter-jib ballast

| | Jib Weight (lb) (+/- 5%) | | | 100 LVF | | 180 LVF GH | | | |
|--------|--------------------------|--------|--------|----------|----------|------------|----------|----------|----------|
| | USt | USt | USt | 8,708 lb | 2,205 lb | USt (lb) | 8,708 lb | 2,205 lb | USt (lb) |
| 98 ft | 13,228 | 12,699 | 12,192 | 5 | 0 | 43,541 | 4 | 3 | 41,447 |
| 115 ft | 15,102 | 14,573 | 14,065 | 5 | 0 | 43,541 | 4 | 3 | 41,447 |
| 131 ft | 16,843 | 16,314 | 15,807 | 5 | 0 | 43,541 | 4 | 3 | 41,447 |
| 148 ft | 18,232 | 17,703 | 17,196 | 5 | 0 | 43,541 | 4 | 3 | 41,447 |
| 164 ft | 19,544 | 19,015 | 18,508 | 5 | 1 | 45,746 | 5 | 0 | 43,541 |
| 180 ft | 20,745 | 20,216 | 19,709 | 5 | 1 | 45,746 | 5 | 0 | 43,541 |
| 197 ft | - | - | 20,988 | 5 | 1 | 45,746 | 5 | 0 | 43,541 |

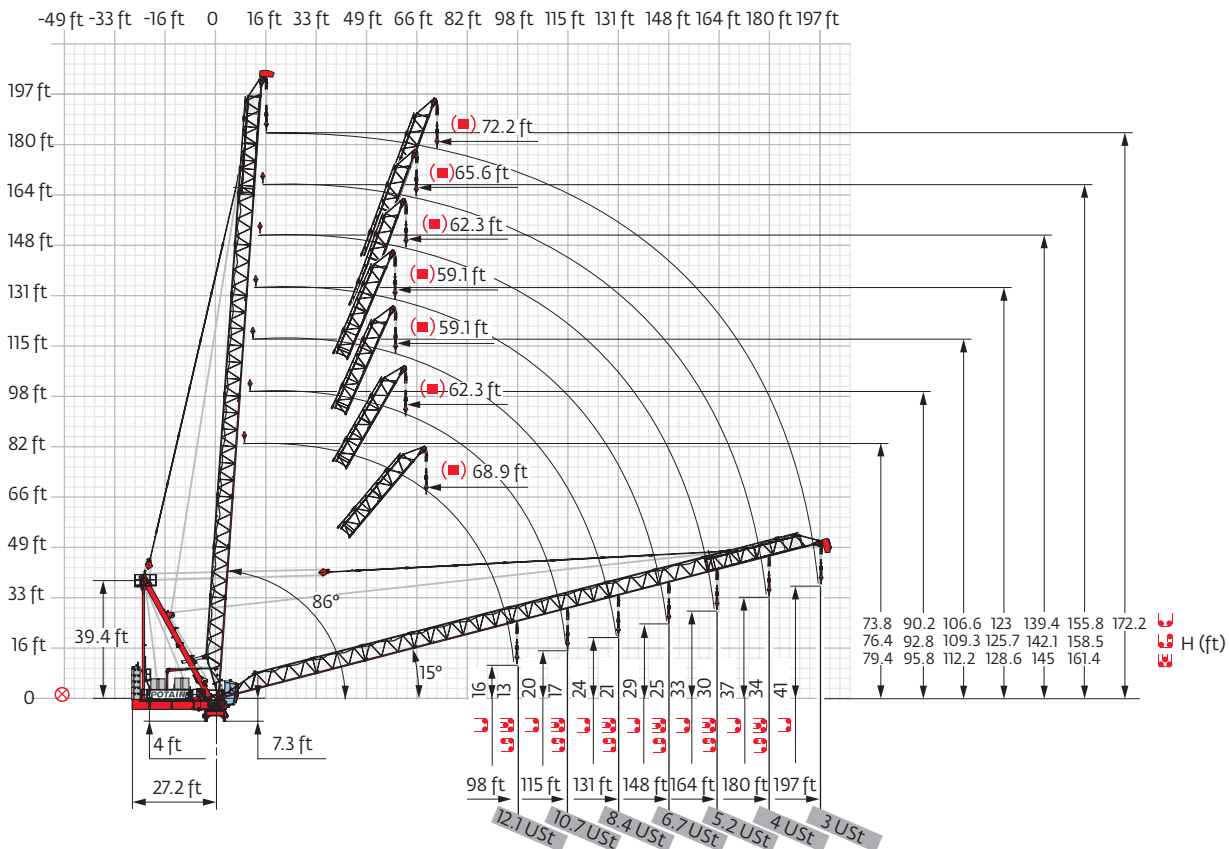
CBJ - 8,708 lb



CBK - 2,205 lb



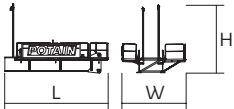
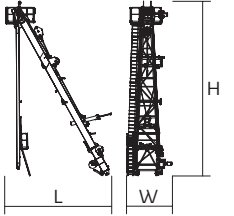
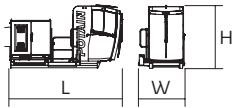
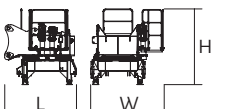
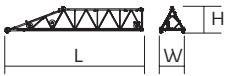
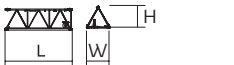


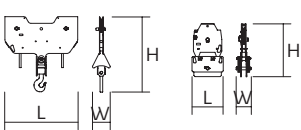
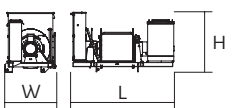
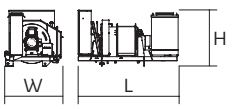
Luffing jib

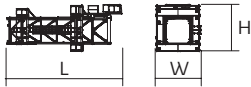


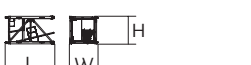
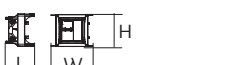






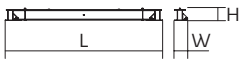
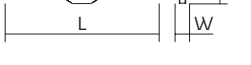
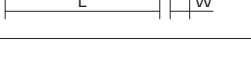



Dimensions and weight










Slewing crane part:  197 ft -  100 LVF






| Slewing crane part | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|-------------------------|---|--------------|------------|------------|-----------------|
| Counter-jib |  | 24.4 | 16.9 | 15.4 | 15,432 |
| Strut |  | 24.9 | 10.8 | 42.7 | 15,465 |
| Cab |  Ultra View | 15.6 | 6.1 | 8.3 | 4,057 |
| Towerhead |  16.6 ft | 9.8 | 7.5 | 10.3 | 20,172 |
| Jib section |  ① | 33.7 | 6.2 | 6.5 | 3,241 |
| Jib section |  ② ⑤ | 17 17 | 5.9 5.9 | 5.5 5.4 | 1,433 1,168 |
| Jib section |  ③ ④ | 33.4 33.4 | 5.9 5.9 | 5.5 5.4 | 2,712 2,338 |
| Jib section |  ⑥ | 38.7 | 6 | 6.5 | 2,998 |
| Pulley block |  | 5.9 2 | 1.4 0.6 | 8.8 3.8 | 1,087 897 |
| Hoisting winch (+ rope) |  100 LVF 180 LVF GH | 10.4 14 | 5.2 6.6 | 6.2 7.7 | 9,822 20,349 |
| Luffing winch (+ rope) |  100 VVF | 10.4 | 5.8 | 6.2 | 6,614 |

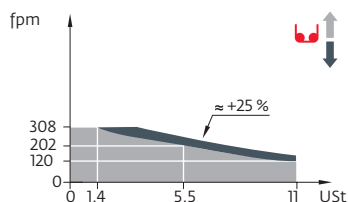
| Crane tower | | | L (ft) | W (ft) | H (ft) | lb (+/- 5%) |
|--|---|--|------------------------------|--------------------------|--------------------------|----------------------------------|
| T 61 T 851 |  | □ 6.6 ft □ 8 ft | 35.5 36.7 | 13.6 15.9 | 14.7 19 | 21,385 34,723 |
| K 649B |  | □ 6.6 ft | 33.6 | 6.8 | 6.7 | 11,663 |
| K 649A KR 649A KRMT 849A K 849A |  | □ 6.6 ft □ 6.6 ft □ 8 ft □ 8 ft | 17.2 17.2 17.2 17.2 | 6.8 6.9 8.4 8.3 | 6.7 6.8 8.3 8.2 | 6,184 7,165 9,017 7,496 |
| K 649C KRMT 849C |  | □ 6.6 ft □ 8 ft | 11.7 11.7 | 6.8 8.4 | 6.7 8.3 | 4,376 7,066 |
| K800/KR60 Connecting mast |  | □ 8/6.6 ft | 7.3 | 10.7 | 8.1 | 9,304 |
| Fixing angles |  | P 602B P 802B | 2.1 2.5 | 2.1 2.5 | 4.2 4.2 | 650 1,025 |
| Basic mast unit |  | V 60A Y 800B | 16.4 19.8 | 7.9 9.6 | 7.9 9.6 | 9,674 19,004 |
| Struts |  | V 60A Y 800B | 14.8 18.1 | 1 1.6 | 1 1.5 | 919 2,447 |
| Half-bearer |  | V 60A | 22 | 2.3 | 7.6 | 3,519 |
| 1/2 Side member |  | Y 800B | 18.6 | 4.1 | 2.4 | 3,351 |
| Side member |  | Y 800B | 39.4 | 4.1 | 2.4 | 6,724 |
| Ballast support |  | Y 800B | 12.3 | 1.2 | 3 | 2,392 |
| Chassis beam |  | Y 800B | 28.5 | 2.7 | 2.4 | 4,938 |
| Cross girder |  | ZX 6830 | 29.9 | 2.5 | 4.9 | 12,004 |
| |  | | 29.9 | 3.7 | 3.6 | 11,607 |

Mechanisms


















| 480 V - 60 Hz | | |  | | | | |  | | | | | hp | kW |  |
|---|---|-----|---|-----|-----|-----|-----|---|------|-----|-----|--------|---------|-----|---|
|  | 100 LVF 50 Optima | fpm | 120 | 153 | 202 | 258 | 308 | 61 | 79 | 105 | 146 | 154 | 100 | 75 | 3,340 ft |
| | | USt | 11 | 8.3 | 5.5 | 2.8 | 1.4 | 22 | 16.5 | 11 | 5.5 | 4.3 | | | |
|  | 180 LVF 50 GH Optima | fpm | 210 | 266 | 361 | 561 | 804 | 112 | 144 | 210 | 344 | 400 | 180 | 132 | 3,937 ft |
| | | USt | 11 | 8.3 | 5.5 | 2.8 | 0.9 | 22 | 16.5 | 11 | 5.5 | 3.5 | | | |
|  | 100 VVF 40 | | 1 min 40 s | | | | | | | | | 100 | 75 | | |
|  | RVF 172 Optima+ | rpm | 0 → 0.8 | | | | | | | | | 2 x 10 | 2 x 7.5 | | |
|  |  | | | | | | | | | | | | | | |

|  IEC 60204-32 |  |
|--|---|
| 480 V (+6% -10%) 60 Hz | 100 LVF : 179 kVA 180 LVF GH : 243 → 171 kVA  |

100 LVF 50 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.

- | | | | | | |
|---|--------------------------|---|---|--|---|
|  | Standard equipment |  | Jib articulation axis |  | Slewing |
|  | Options |  | Weathervaning position |  | Travelling |
|  | Reactions in service |  | Lorry 44 ft |  | Required power |
|  | Reactions out of service |  | Container High Cube 40 ft, and/or Flat Rack 20 ft |  | Power Control Function: winch speeds adapted to the available power |
|  | Jib weight |  | Hoisting |  | Consult us |
|  | Total ballast weight |  | Luffing | | |

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