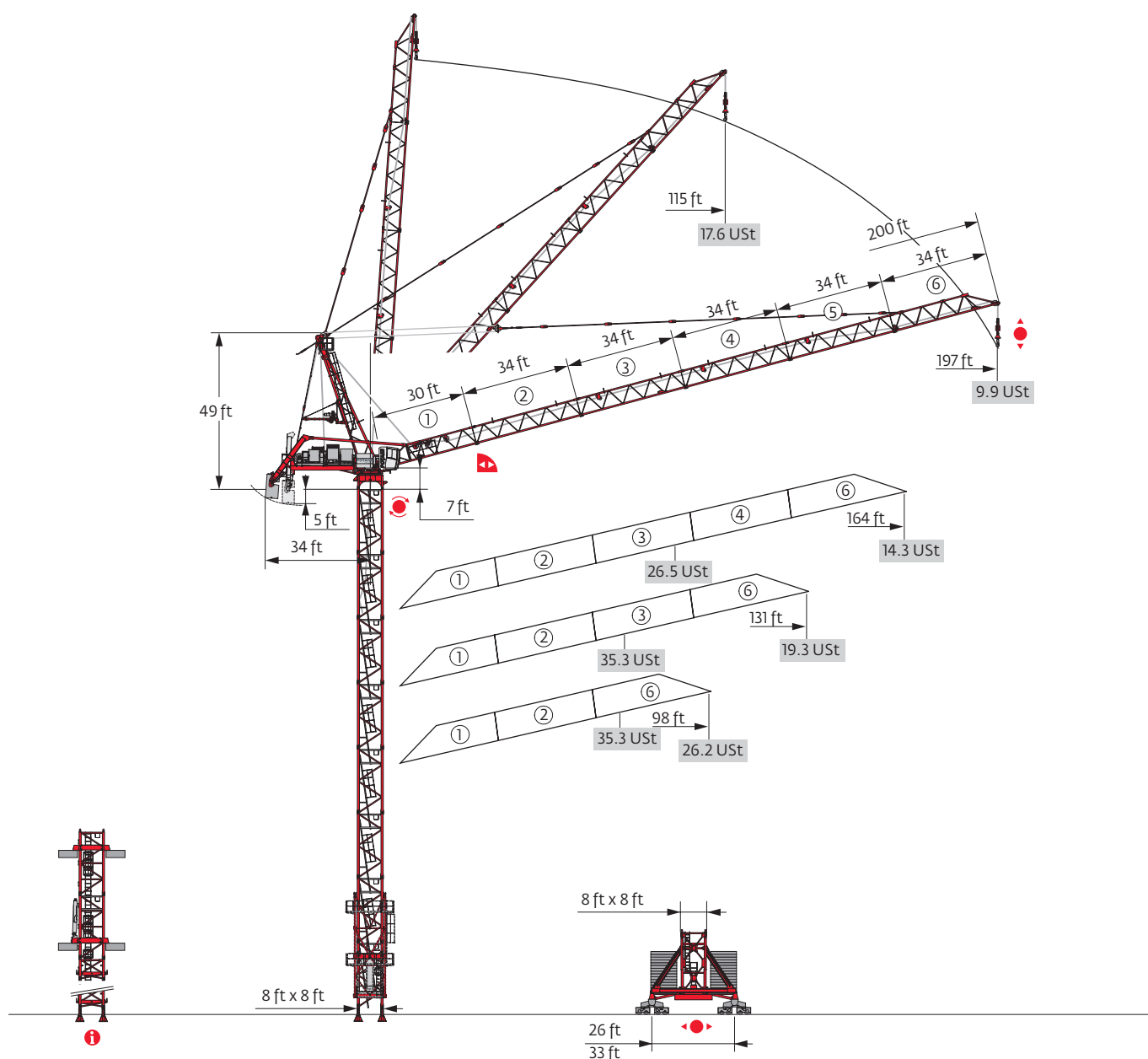


# Potain MR 605 B H32

## Data Sheet

FEM 1.001-A3

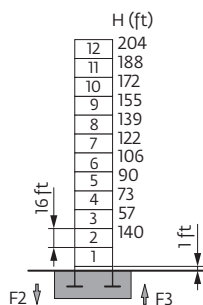


Values have been rounded

## Mast

8 ft

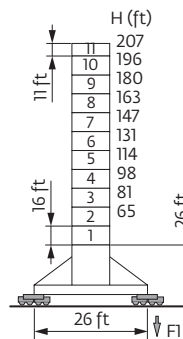
98 ft



| H (ft) | 16 ft | 11 ft |
|--------|-------|-------|
| 131 ft | 194   | 10    |
| 164 ft | 194   | 10    |
| 197 ft | 199   | 11    |

| P 800B |                        |
|--------|------------------------|
| F2     | • 289 USt<br>■ 278 USt |
| F3     | • 181 USt<br>■ 184 USt |
|        | ▲ 134 USt              |

98 ft

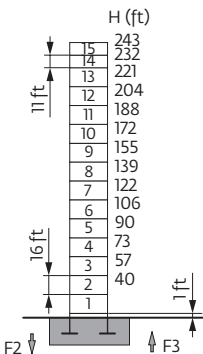


| H (ft) | 16 ft | 11 ft |
|--------|-------|-------|
| 131 ft | 191   | 9     |
| 164 ft | 191   | 9     |
| 197 ft | 201   | 9     |

| Y 800B |                        |
|--------|------------------------|
| F1     | • 166 USt<br>■ 155 USt |
|        | ▲ 172 USt              |

H (ft)

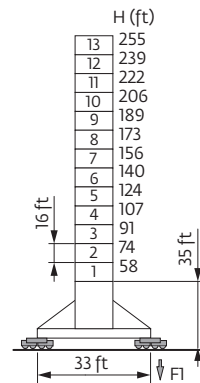
98 ft



| H (ft) | 16 ft | 11 ft |
|--------|-------|-------|
| 131 ft | 237   | 14    |
| 164 ft | 237   | 14    |
| 197 ft | 237   | 14    |

| P 850A |                        |
|--------|------------------------|
| F2     | • 335 USt<br>■ 422 USt |
| F3     | • 215 USt<br>■ 317 USt |
|        | ▲ 157 USt              |

98 ft

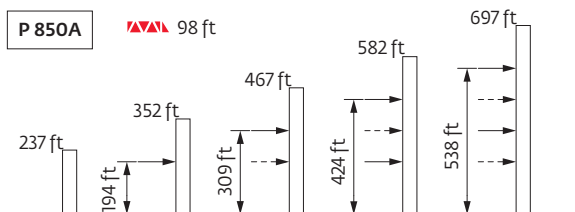
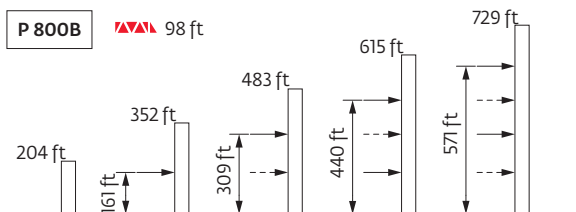


| H (ft) | 16 ft | 11 ft |
|--------|-------|-------|
| 131 ft | 244   | 11    |
| 164 ft | 244   | 11    |
| 197 ft | 250   | 12    |

| J 850A |                        |
|--------|------------------------|
| F1     | • 170 USt<br>■ 204 USt |
|        | ▲ 219 USt              |

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

## Anchorage



## Load charts

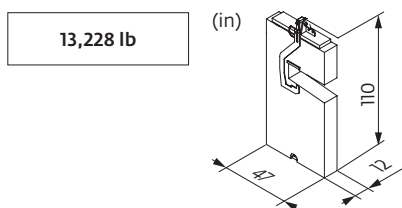
[illegible]

## Base ballast

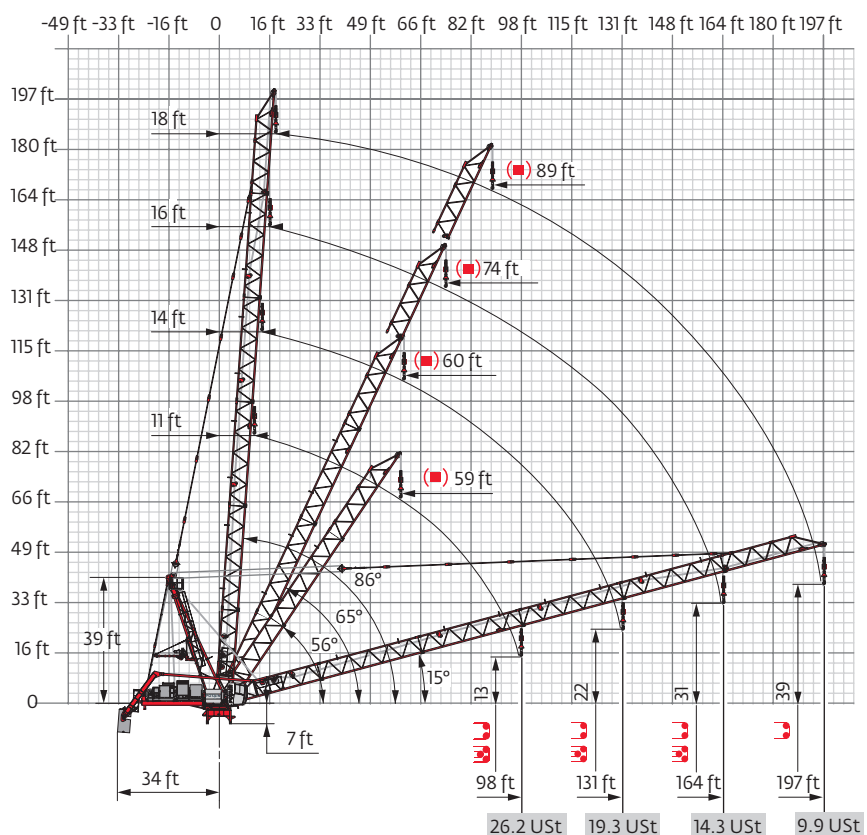
|        | 8 ft   |       |        |       |
|--------|--------|-------|--------|-------|
|        | Y 800B |       | J 850A |       |
|        | H (ft) | USt   | H (ft) | USt   |
| 98 ft  | 207    | 105.8 | 255    | 79.4  |
| 131 ft | 191    | 92.6  | 244    | 79.4  |
| 164 ft | 191    | 79.4  | 244    | 92.6  |
| 197 ft | 201    | 145.5 | 250    | 158.7 |

## Counter-jib ballast

|        | 13,228 lb | (lb)    |
|--------|-----------|---------|
| 98 ft  | 8         | 105,822 |
| 131 ft | 9         | 119,050 |
| 164 ft | 10        | 132,277 |
| 197 ft | 10        | 132,277 |



## Luffing jib

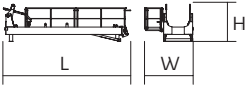
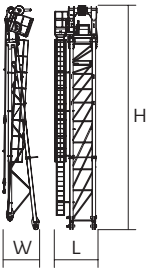
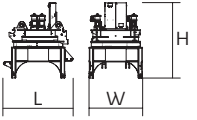
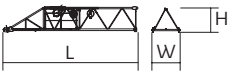
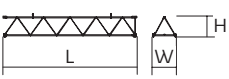
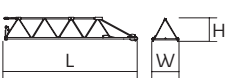
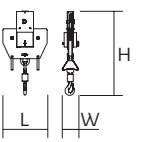
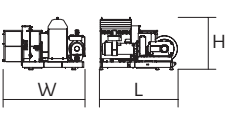


|  |                           |
|--|---------------------------|
|  | Total ballast weight      |
|  | Weather vaning position   |
|  | Tightened anchorage frame |
|  | Loosened anchorage frame  |

# Component weights

Crane upper :  197 ft -  180/215 LBR



|                         |                                                                                                      |  | L (ft)                       | W (ft)                   | H (ft)           | lb<br>(+/- 5%)               |
|-------------------------|------------------------------------------------------------------------------------------------------|--|------------------------------|--------------------------|------------------|------------------------------|
| Counter-jib             |                     |  | 21.7                         | 8.5                      | 6.6              | 7385                         |
| Towerhead               |                     |  | 8.8                          | 6                        | 45.9             | 19,621                       |
| Cab                     |  Ultra View        |  | 14.7                         | 6.5                      | 8.2              | 3329                         |
| Pivot                   |  8 ft             |  | 9                            | 8.2                      | 9.9              | 28,991                       |
| Jib section             |  ①                |  | 31.5                         | 6.2                      | 5.9              | 5732                         |
| Jib section             |  ②<br>③<br>④<br>⑤ |  | 34.7<br>34.7<br>34.7<br>34.7 | 6.2<br>6.2<br>6.2<br>6.2 | 6<br>6<br>6<br>6 | 4211<br>4299<br>3616<br>3086 |
| Jib section             |  ⑥                |  | 34.1                         | 6.2                      | 6                | 5291                         |
| Hookblock               |                   |  | 4.7                          | 1.7                      | 8.9              | 3549                         |
| Hoisting winch (+ rope) |  180/215 LBR      |  | 13.3                         | 9.3                      | 7                | 23,248                       |
| Luffing winch (+ rope)  |  90/108 VBR       |  | 9.4                          | 7.5                      | 6.2              | 8047                         |

## Component weights

|                                                         |  |                            | L (ft)                       | W (ft)                   | H (ft)                   | lb<br>(+/- 5%)                     |
|---------------------------------------------------------|--|----------------------------|------------------------------|--------------------------|--------------------------|------------------------------------|
| Climbing cage                                           |  | 8 ft                       | 15.2                         | 19                       | 33.6                     | 28,484                             |
| K 850/KR 849A<br>KRMT 849A<br>KMT 850.10A<br>KMT 850.9A |  | 8 ft                       | 17.2<br>17.2<br>17.5<br>17.5 | 8.3<br>8.3<br>8.3<br>8.3 | 8.2<br>8.3<br>8.2<br>8.2 | 12,291<br>9017<br>12,015<br>10,582 |
| KRMT 849C                                               |  | 8 ft                       | 11.7                         | 8.4                      | 8.3                      | 7066                               |
| Fixing angles                                           |  | P 800B<br>P 850A           | 2.5<br>3                     | 2.5<br>3                 | 4.2<br>4.9               | 1025<br>1841                       |
| Chassis mast                                            |  | Y 800B<br>J 850A           | 19.8<br>29.4                 | 9.6<br>9.6               | 9.6<br>9.6               | 19,004<br>31,416                   |
| Strut                                                   |  | Y 800B<br>J 850A           | 18.1<br>28.1                 | 1.6<br>1.7               | 1.5<br>1.3               | 2447<br>3638                       |
| 1/2 Side member                                         |  | J 850A<br>J 850A<br>Y 800B | 24<br>24.3<br>18.6           | 2.3<br>2.3<br>4.1        | 3.3<br>3.7<br>2.4        | 5688<br>5798<br>3351               |
| Side member                                             |  | Y 800B                     | 39.4                         | 4.1                      | 2.4                      | 6724                               |
| Ballast support                                         |  | Y 800B                     | 12.3                         | 1.2                      | 3                        | 2392                               |
| Chassis beam                                            |  | J 850A<br>Y 800B           | 35.1<br>28.5                 | 2.9<br>2.7               | 2.8<br>2.4               | 7319<br>4938                       |

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

## Mechanisms

| 400 V - 50 Hz                                                                               |                                                                                   |       |  |        |        |        |  |       |        |        | hp    | kW      |  |
|---------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-------|-----------------------------------------------------------------------------------|--------|--------|--------|-------------------------------------------------------------------------------------|-------|--------|--------|-------|---------|-------------------------------------------------------------------------------------|
|            | 180 LBR 80                                                                        | fpm   | 12/125                                                                            | 20/197 | 31/312 | 50/499 | 6/62                                                                                | 10/98 | 16/156 | 25/249 | 180   | 132     | 3576 ft                                                                             |
|                                                                                             |                                                                                   | USt   | 17.6                                                                              | 11.1   | 6.5    | 3.6    | 35.3                                                                                | 22.3  | 13     | 7.2    |       |         |                                                                                     |
|            | 90 VBR                                                                            | m/min | 3 min 17 s                                                                        |        |        |        |                                                                                     |       |        |        | 90    | 66      |                                                                                     |
|            | R - 13,2                                                                          | rpm   | 0 → 0.67                                                                          |        |        |        |                                                                                     |       |        |        | 3 x 6 | 3 x 4.4 |                                                                                     |
| Y 800B<br> | RT 584<br>A1 - 2V                                                                 | fpm   | 44 - 89                                                                           |        |        |        |                                                                                     |       |        |        | 8 x 7 | 8 x 5.2 |                                                                                     |
| J 850A<br> |  |       |                                                                                   |        |        |        |                                                                                     |       |        |        |       |         |                                                                                     |

|                                                                                                |                                                                                     |
|------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  IEC 60204-32 |  |
| 400 V (+10% -10%) 50 Hz                                                                        | 180 LBR : 270 kVA                                                                   |

| 480 V - 60 Hz                                                                                 |                   |       |  |        |        |        |  |        |        |        | hp      | kW      |  |
|-----------------------------------------------------------------------------------------------|-------------------|-------|-------------------------------------------------------------------------------------|--------|--------|--------|---------------------------------------------------------------------------------------|--------|--------|--------|---------|---------|---------------------------------------------------------------------------------------|
|            | 215 LBR 80        | fpm   | 15/151                                                                              | 24/236 | 37/374 | 60/597 | 8/75                                                                                  | 12/118 | 19/187 | 30/299 | 215     | 158     | 3576 ft                                                                               |
|                                                                                               |                   | USt   | 17.6                                                                                | 11.1   | 6.5    | 3.6    | 35.3                                                                                  | 22.3   | 13     | 7.2    |         |         |                                                                                       |
|            | 108 VBR           | m/min | 2 min 44 s                                                                          |        |        |        |                                                                                       |        |        |        | 108     | 79      |                                                                                       |
|            | R - 15,8          | rpm   | 0 → 0.8                                                                             |        |        |        |                                                                                       |        |        |        | 3 x 7.2 | 3 x 5.3 |                                                                                       |
| Y 800B<br> | RT 584<br>A1 - 2V | fpm   | 52 - 105                                                                            |        |        |        |                                                                                       |        |        |        | 8 x 8.4 | 8 x 6.2 |                                                                                       |
| J 850A<br> |                   |       |                                                                                     |        |        |        |                                                                                       |        |        |        |         |         |                                                                                       |

|                                                                                                  |                                                                                       |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  IEC 60204-32 |  |
| 480 V (+6% -10%) 60 Hz                                                                           | 215 LBR : 325 kVA                                                                     |

|                                                                                     |             |
|-------------------------------------------------------------------------------------|-------------|
|  | Hoisting    |
|  | Luffing     |
|  | 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.



[www.manitowoc.com](http://www.manitowoc.com)

### **Manitowoc Cranes**

#### **Regional Headquarters**

##### **Americas**

Manitowoc, Wisconsin, USA  
Tel: +1 920 684 6621  
Fax: +1 920 683 6277

Shady Grove, Pennsylvania, USA  
Tel: +1 717 597 8121  
Fax: +1 717 597 4062

##### **Europe, Middle East, Africa**

Ecully, France  
Tel: +33 472 18 2020  
Fax: +33 472 18 2000

##### **China**

Shanghai, China  
Tel: +86 21 6457 0066  
Fax: +86 21 6457 4955

##### **Greater Asia-Pacific**

Singapore  
Tel: +65 6264 1188  
Fax: +65 6862 4040

**Potain MR 605 B H32**  
Code 04-017-.5M-0911