features

- Topless jib with maximum radius of 213 ft (65 m)
- Two versions: 11 USt (10 t) and 13.2 USt (12 t)
- 6,614 lb (3,000 kg) maximum tip capacity at 213 ft (65 m)
- Internal and external climbing with K mast
- Centrally located mechanisms
New counter-jib design is able to be folded for transport and erected as one piece.

Designed for easy maintenance, the MDT 268’s mechanisms are centrally located near the pivot.

K mast available as monoblock or panel mast with stepped pins for easy installation and instant visual inspection. Climbing mast available to allow you to climb with your jobsite.

Patented six knot jib design creates a lighter jib with enhanced capacities for improved performance.
Swing

RVF 162 Optima + slewing mechanism with maximum swing speed of 0.8 RPM. Progressive control of speed with counter-slewing possible, anti-load swinging system makes aligning the load and jib easier. Optima + swing allows two (2) distinct swing modes.

Hoist

Grooved drum with electromagnetic safety brake. Progressive speed change according to the accelerating or decelerating ramps. Optima allows the hoist to adapt its speed to the weight of the load.

MDT 268 J10:

- Line speed: 3.3 USt (3 t) Line speed, 381 ft/min (116 m/min), 531 ft/min (162 m/min)
- Horse Power: 50 HP, 75 HP, 75 HP
- Spooling Capacity: 1,827 ft (557 m), 2,396 ft (895 m)

MDT 268 J12:

- Single Line Pull: 50 LVF 30 Optima, 75 LVF 30 Optima, 100 LVF 30 Optima
- Line speed: 50 LVF 30 Optima, 3.3 USt (3 t) Line speed, 381 ft/min (116 m/min), 531 ft/min (162 m/min)
- Horse Power: 50 HP, 75 HP, 75 HP
- Spooling Capacity: 1,106 ft (337 m), 2,513 ft (766 m), 3,087 ft (941 m)

Specification of quantity of hoist rope is dependent upon customer’s requirements and mast height.

Trolley

6 DVF 4: 5.5 HP variable frequency hoist with 882 lb (400 kg) line pull and line speed of 394 ft/min (120 m/min). Progressive speed change according to acceleration or deceleration ramps controlled by the frequency converter.

* Optional Equipment

- STANDARD NORTH AMERICAN SPECIFICATION for J12: includes electric slip ring, 197 ft (60 m) cable 4G35 mm2, 213 ft (65 m) jib, 100LVF30 Optima hoist, heating mechanism for hoist, 2-trolley hookblock or SM/DM hookblock. 853 ft (260 m) hoist rope, Vision 140SX cab with insulation, Dialog Visu, and anemometer.
- Electric slip ring
- Jib radius 82 – 205 ft (25 – 65 m)
- 2-Trolley hookblock
- SM/DM (semi-automatic) hookblock
- * Dialog Visu
- Cab air conditioning
- Motorized greasing

Consult price list for additional options

#### Jib

98 ft (30 m) radius standard lattice jib. Patented six (6) bar knot design and joints. Catwalks in first two (2) 33 ft (10 m) sections for maintenance and easy access to sling points for erection and dismantling. Mounted as whole wired jib with hoist rope and trolley rope installed. One pin and two (2) safety pins at connection point to counter-jib. Sling points welded on jib, *lifting beam and *slings optional with crane.

**Jib Extensions**

Optional jib lengths start at 82 ft (25 m). Additional jib sections of 16 ft (5 m) available up to maximum jib length of 205 ft (65 m).

- **Counter-Jib**
  - Patented design in one compact package. Inclined position of ballast holder ensures self-locking of ballast blocks. Welded sling points.
  - **Counter-Jib Ballast (customer supplied)**
  - Two (2) concrete block style combinations for various ballasting applications. SM for 2-part line standard. *Optional 2-trolley or 2-Part SM/DM (semi-automatic) hookblock for 2 or 4-part line applications.

- **Controls**
  - Dual axis joystick controls located in the cab with an optional *radio remote control optional.

- **Reeving**
  - SM for 2-part line application standard. *Optional 2-trolley or SM/DM (semi-automatic) hookblock for 2 or 4-part line applications.

- **Electrical Requirement**
  - 480 volt, 60 Hz measured at the turntable.

- **Anemometer & Dialog Visu**
  - Electronic wind speed meter (anemometer) to alert the operator of wind speed conditions. Requires *Dialog Visu to display information. Crane can be operated with wind gusts up to 45 MPH (72 KPH). *Dialog Visu displays height under hook, position of jib trolley, loads and overload moment, and wind speed.

* Denotes optional equipment

**NOTE:** The information above is useful as a basic introduction to the crane. In no case may this serve as a substitute for the serial numbered manuals. Dimensions have been rounded to the nearest tenth.
**Anchor Stools**

Anchor stools to be used in combination with a concrete foundation.

Anchors P61A: permanent anchor, maximum free-standing HUH: 212 ft (64.7 m) on 6.6 ft (2 m) K mast.

Anchors P62A: permanent anchor, maximum free-standing HUH: 229 ft (69.7 m) on 6.6 ft (2 m) K mast.

**Chassis**

Chassis available with square footprints of 19.7 ft (6 m) for K600 mast. Composed of 2 metallic structures connected with a central mast-chassis and 4 struts for rigidity. A chassis can be placed on either straight or curved traveling equipment or metallic stools embedded into a concrete block.

Chassis V60A: square footprint of 19.7 ft (6 m), maximum free-standing HUH: 217.8 ft (66.4 m) on 6.6 ft (2 m) K mast.

Chassis V63A: square footprint of 19.7 ft (6 m), maximum free-standing HUH: 245.7 ft (74.9 m) on 6.6 ft (2 m) K mast.

**Cross Shaped Base**

Cross shaped bases available with square footprints of 14.8 ft (4.5 m) and 19.7 ft (6 m). Composed of 2 beams and able to be placed on screw jacks with support plates, screwjacks with concrete blocks or traveling equipment.

Cross ZD 463: square footprint of 14.8 ft (4.5 m), maximum free-standing HUH: 172.2 ft (52.5 m) on 6.6 ft (2 m) K mast.

Cross ZX6830: square footprint of 19.7 ft (6 m), maximum free-standing HUH: 210.6 ft (64.2 m) on 6.6 ft (2 m) K mast.

* Consult price list for additional options

**Mast**

K mast in K600 (6.6 ft [2 m]), panel or monoblock, and climbing or non-climbing available. Lengths of 10.9 ft (3.33 m), 16.4 ft (5 m), and 32.8 ft (10 m), available. Identification plates welded on each section to designate the type of mast and pin box to stow pins when not in use.

Mast nomenclature:

K – Series of mast with box angled members
M – Monoblock, non climbing
R – Reinforced
MT – Monoblock & climbing
RMT – Reinforced, monoblock, climbing

Equipped with aluminum ladders and galvanized steel resting platforms in each section. Cast connections are secured with two double tapered pins.

*Tirax tool and *Tirax pins available for faster easier assembly.

Combinations of masts can allow free-standing HUH to increase.

**Climbing Equipment**

Equipment available for both internal climbing and external climbing of 6.6 ft (2 m) mast. Internal climbing equipment sold separately: 20 HP hydraulic unit, jack, and collars. External climbing equipment sold separately: climbing cage, 20 HP hydraulic unit, yoke, and jack.

*Tirax tool and *Tirax pins available for faster easier assembly.

Combinations of masts can allow free-standing HUH to increase.

**Component Weights**

<table>
<thead>
<tr>
<th>Item</th>
<th>Qty</th>
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<th>H (m)</th>
<th>weight (kg)</th>
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### Component Weights

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight (lb)</th>
<th>Dimensions (in)</th>
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<td>(1.57)</td>
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<td>(5.23)</td>
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<td>Cross shaped base: ZD 483</td>
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THIS CHART IS ONLY A GUIDE AND SHOULD NOT BE USED TO OPERATE THE CRANE. The individual crane's load chart, operating instructions and other instructional plates must be read and understood prior to operating the crane.
NOTE: Illustrated hook heights on this page were determined using FEM 1.001. Configurations shown may include optional equipment. Other codes may require reductions in configurations.
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### Load Charts

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</tr>
<tr>
<td>82</td>
<td>6.6</td>
<td>0.6 USt</td>
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</table>
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**mast & mechanisms**

**MDT 268 J10**

---

<table>
<thead>
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<th>H (m)</th>
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<th>58,3</th>
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<td>3,33</td>
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<td>3,33</td>
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**Table:**

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<td>7.5</td>
<td>5</td>
<td>5</td>
<td>2.5</td>
<td>100 (2.5 t)</td>
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---

**Diagram:**

**Operating Instructions and Other Instructional Plates:**

Operating instructions and other instructional plates must be read and understood prior to operating the crane.

---

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**KVA:**

- 400 V (+6% -10%)
- 50 LVF: 75 kVA
- 75 LVF: 100 kVA
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symbols glossary

- Anchor Stools
- Counter Jib
- Jib
- Swing
- Anemometer
- Cross-Shaped Base
- Jib Extension
- Traveling
- Ballast
- Curve Track Traveling Equipment
- Mast
- Traversing Trolley
- Cab
- Electrical Requirement
- Reeling 2-Part
- Traversing Trolley & Load Diagrams
- Chassis
- Hoist
- Reeling 4-Part
- Trolley
- Climbing Equipment
- Hoisting Mechanism
- Straight Track Traveling Equipment
- Traversing Trolley
- Controls
- Hydraulic Equipment
- Weight in Base Ballast

MDT 268

POTAIN
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.