PT-300 D:Mine designed for demining

PT-300 D:Mine is a remote controlled demining machine designed to clear anti-personnel (AP) and anti-tank (AT) mines in the most difficult conditions for various purposes such as:

- humanitarian mine clearance, to safeguard civilian populations, to ensure land reconversion for agricultural and residential development, to clear areas for oil and natural gas exploration and extractive mining operations.
- for military route clearance, area clearance or breaching.

An innovative remote control on this device ensures accurate guidance of the vehicle at a range of over 1000 meters.

The PT-300 D:Mine is powered by a John Deere inline 6-cylinder engine producing 275 HP. This feature combined with the state of the art demining rotor guarantees high productivity in all conditions. This machine's rugged and extremely resistant structure is built for severe-duty jobs and offers a very high level of reliability. It is able to withstand blasts from both AP (Anti-personnel) and AT (Anti-tank) mines, IEDs and unexploded ordnances (UXOs) or improvised landmines.

PT-300 D:Mine is equipped with a FAE 300/TD tiller or a FAE 300/FD flails, which are specifically designed for mine clearance and ground preparation tasks. The 300/TD has a working width of 2500 mm and a working depth of 250 mm. The design of the tiller head and rotor combined with the materials used limit the damage in the event of a mine detonation. Various front attachments can be mounted as required - demining tiller, demining flails, forestry mulcher, forestry tiller, rock crusher and dozer blade - making the PT-300 D:Mine a truly multi-tasking machine.

The PT-300 D:Mine has been thoroughly tested and certified to CWA 15044:2009 standards as a medium size mechanical demining asset.
### DIMENSIONS

<table>
<thead>
<tr>
<th>A</th>
<th>Overall length without tiller</th>
<th>192 in</th>
<th>4875 mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>D</td>
<td>Ground clearance</td>
<td>18 in</td>
<td>467 mm</td>
</tr>
<tr>
<td>E</td>
<td>Hitch angle</td>
<td>35°</td>
<td></td>
</tr>
<tr>
<td>F</td>
<td>Overall length with tiller on ground</td>
<td>244 in</td>
<td>6186 mm</td>
</tr>
<tr>
<td>G</td>
<td>Transport length with tiller on ground and winch</td>
<td>270 in</td>
<td>6869 mm</td>
</tr>
<tr>
<td>G1</td>
<td>Transport length with tiller on ground</td>
<td>252 in</td>
<td>6397 mm</td>
</tr>
<tr>
<td>L</td>
<td>Maximum height</td>
<td>93 in</td>
<td>2360 mm</td>
</tr>
</tbody>
</table>

### MAIN KEYS

- **Version**
  - STD
  - Track shoe width: 26 in | 660 mm
  - Track gauge: 67 in | 1700 mm
  - Overall track width: 93 in | 2360 mm
  - FAE TILLER ATTACHMENT 300/TD-250
    - Overall tiller width: 123 in | 3125 mm
    - Working tiller width: 98 in | 2500 mm

- **Diesel engine**
  - Model: John Deere 6068 HF 485
  - Maximum power: 275 HP | 206 kW
  - Rating: @ 2400 rpm
  - Displacement: 415 in³ | 6.8 l

- **Hydrostatic tracks transmission**
  - Pump (2): Danfoss
  - Displacement: 75 cc
  - Motors (2): Danfoss
  - Displacement: 80 cc

- **Hydraulic Emergency stop**
  - Pump (1): Danfoss
  - Displacement: 130 cc
  - Motors (2): Bosch-Rexroth
  - Displacement: 200 cc

- **Electrical system remote control**
  - Nominal voltage: 12 V
  - Batteries: 2 x 12 V High cold cranking Amps
  - Alternator: 95 A
  - Track control: Joystick on transmitting unit
  - Tiller movements control: Joystick on transmitting unit
  - Tiller rotor speed control: Potentiometer on transmitting unit

- **Engine control**
  - Buttons for start/stop and rpm increase/decrease on transmitting unit
  - Engine engage and stop buttons on transmitting unit. Hydraulic disengage in case of remote control signal loss.

- **Safety features**
  - Batteries run time: 10 h
  - Remote control range: Up to 1000 m

### HYDROSTATIC TILLER TRANSMISSION

- **Pumps (2)**
  - Danfoss
  - Displacement: 75 cc
  - Motors (2): Danfoss
  - Displacement: 80 cc

- **Hydraulic Emergency stop**
  - Pump (1): Danfoss
  - Displacement: 130 cc
  - Motors (2): Bosch-Rexroth
  - Displacement: 200 cc

### ELECTRICAL SYSTEM REMOTE CONTROL

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  - Batteries run time: 10 h
  - Remote control range: Up to 1000 m

### UNDERCARRIAGE AND TRACKS

- **Hydraulic oil tank**: 87 gal | 330 l
- **Fuel tank**: 87 gal | 330 l
- **Undercarriage**: D4, oscillating
- **Track shoe**: 26 in | 660 mm

### FAE TILLER ATTACHMENT 300/TD

- **Model**
  - Rotor diameter: 35 in | 885 mm
  - Overall width: 123 in | 3125 mm
  - Working width: 98 in | 2500 mm
  - Weight: 7661 lbs | 3475 kg
  - Max. working depth: 10 in | 250 mm
  - RPM: 500 rpm
  - Quantity of cutting teeth carbide type “G/3” | 62
  - Quantity of cutting teeth carbide type “STC/3/FP” | 2

Specifications and design are subject to change without prior notice by FAE Group. Pictures may contain optional accessories. The information in this catalogue is considered non-binding.