The Wassara range of high pressure pumps has been the result of more than 20 years of pioneering experience within water hammer drilling.

The **WASP100D** from this range is an optimal pump for all types of drilling, ranging from deep holes to casing-advancement, anchoring, piling, exploration, water wells, geothermal, production blast holes, etc. It offers excellent uptime and requires minimal service while being outstandingly mobile and operating at low noise levels.

The pump is designed for use with Wassara Hammers 2" – 4" (W50, W70, W80 and W100) for hole diameters between 60 mm (2 ½") – 127 mm (5") in hard formations and up to 152.4 mm (6") for casing-advancement applications.

### FEATURES

- Smart Flush function to clean borehole
- Several valves for easy draining against freezing
- Pump house in stainless steel
- Plunger in ceramics
- Intelligent pump control

### ADVANTAGES

- Heavy-duty, reliable design
- Requires minimal maintenance
- Low fuel consumption
- Large, adjustable flow span
- Small size and emission footprint
- Versatile and mobile
- Low noise emission
WATER-POWERED DRILLING

TECHNICAL SPECIFICATION WASP100D
WASSARA HIGH-PRESSURE WATER PUMP

TECHNICAL SPECIFICATIONS - WASP1/ . B

<table>
<thead>
<tr>
<th>Water pump</th>
<th>Kamat K 18000 MC series</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diesel engine</td>
<td>Volvo TAD 871 VE (177 kW)</td>
</tr>
<tr>
<td>Emission class</td>
<td>Complies with EU Stage IV/EPA or TIER 4f</td>
</tr>
<tr>
<td>Fuel tank</td>
<td>280 lit (74 US gallons) (~8 h @ full power)</td>
</tr>
<tr>
<td>Dry weight</td>
<td>5 000 kg (11 023 lbs)</td>
</tr>
</tbody>
</table>
| Water connections | Outgoing High-pressure: M52x 2 DKO  
                        Incoming: A-Storz coupling (4")  
                        Discharge: C-Storz coupling (2½") |

STANDARD EQUIPMENT
- Pneumatic 3/2 pressure regulator
- Suction stabilizer
- 50 μm stainless steel water filter
- Sound-proof canopy
- Built-in oil basket in base frame
- Lifting eyes and fork lift slots
- High pressure safety valve

OPTIONAL EQUIPMENT
- Cable remote control
- 2 x 50 m cable
- Wireless remote control
- Electric heater

The pump control is programmed for automatic and easy maneuver over the entire flow capacity combining the engine rpm and the pneumatic pressure regulator.

PERFORMANCE - with 60 mm plunger

<table>
<thead>
<tr>
<th>Capacity</th>
<th>445 l/min</th>
</tr>
</thead>
<tbody>
<tr>
<td>Working pressure</td>
<td>190 bar</td>
</tr>
<tr>
<td>Power input</td>
<td>160 kW</td>
</tr>
<tr>
<td>Stroke</td>
<td>105 mm</td>
</tr>
<tr>
<td>Crankshaft speed</td>
<td>500 rpm</td>
</tr>
</tbody>
</table>

DIFFERENT PUMP SET-UP

<table>
<thead>
<tr>
<th>Piston Ø (mm)</th>
<th>Q (l/min)</th>
<th>Max pressure (bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>55</td>
<td>374</td>
<td>230</td>
</tr>
<tr>
<td>60</td>
<td>445</td>
<td>190</td>
</tr>
<tr>
<td>65</td>
<td>522</td>
<td>160</td>
</tr>
</tbody>
</table>

DIMENSIONS

LECTURE EXTRACT FROM WASP100D PRODUCT DATA SHEET, 2016.06. All specifications can be changed without prior notice.

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