

WATER-POWERED DRILLING

TECHNICAL SPECIFICATION WASP100D WASSARA HIGH-PRESSURE WATER PUMP



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

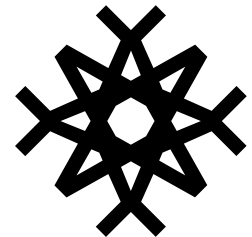
- Smart Flush function to clean borehole
- Several valves for easy draining against freezing
- Pump house in stainless steel
- Plunger in ceramics
- Intelligent pump control

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

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wassara

TECHNICAL SPECIFICATIONS - WASP 100D	
Water pump	Kamat K 18000 MC series
Diesel engine	Volvo TAD 871 VE (177 kW)
Emission class	Complies with EU Stage IV/EPA or TIER 4f
Fuel tank	280 lit (74 USgallons) (~8 h @ full power)
Dry weight	5 000 kg (11 023 lbs)
Water connections	<i>Outgoing High-pressure: M52x 2 DKO</i> <i>Incoming: A-Storz coupling (4")</i> <i>Discharge: C-Storz coupling (22")</i>

STANDARD EQUIPMENT
<ul style="list-style-type: none"> • Pneumatic 3/2 pressure regulator • Suction stabilizator • 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
<ul style="list-style-type: none"> • Cable remote control • 2 x 50 m cable • Wireless remote control • Electric heater

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

PERFORMANC - with 60 mm plunger	
Capacity	445 l/min
Working pressure	190 bar
Power input	160 kW
Stroke	105 mm
Crankshaft speed	500 rpm

DIFFRENT PUMP SET-UP		
Piston Ø (mm)	Q (l/min)	Max pressure (bar)
55	374	230
60	445	190
65	522	160

DIMENSIONS

