

WATER-POWERED DRILLING

TECHNICAL SPECIFICATION: WASP 150D WASSARA HIGH-PRESSURE WATER PUMP



Easy-to-use pump with basic functionality for water hammer drilling. Pump is mounted in welded steel frame, enclosure with lifting eye bolts and fork lift sockets on the frame. The enclosure has service doors on each side which have a sound insulation layer for noise reduction on the inner side (see below). All service means are possible to provide from the service door at panel side. Enclosure frame, end sides and roof are painted, doors are in stainless steel.

- Measured noise levels: At 3 m distance (in the direct vicinity of the pump) 88dBA was measured. At 30 m distance from the pump 79 dBA was measured (at several measuring points with constant radius of 30 m from the pump)
- Including water tank 1 000 liters, made from epoxy-coated steel plate and integrated into the enclosure frame.
- Suction side fitting including hose line and mesh type water filter with booster pump in belt drive version.
- The outgoing water pressure is regulated over a pressure relief valve with return of overflow water back to buffer tank. The relief pressure is continuously adjustable from the remote control panel.
- High pressure connection is M52x2 with o-ring sealing.
- Non-built in diesel tank, pump is prepared for connection to external diesel tank with quick coupling. Diesel tank 400 lit. is included in the delivery.
- Easy-to-use operation with relay operated safety shut down in case of:
 - Diesel engine, oil pressure (min level)
 - Diesel engine, coolant temperature (max level)
 - Booster pump pressure at suction side HP pump (min level)
 - Diesel engine panel from engine manufacturer.

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- 3 x Documentation including operation and maintenance instructions in English.
- Wireless remote control with following functions:
 - emergency stop
 - high pressure pump on/off
 - regulation of 3/2 valve (water pressure)

Technical specifications – WASP 150 D	
Water pump	Hammelmann 170-series
Flow	Up to 490 lit / min
Pressure	max. 200 bar
Weight	3,4 metric tons
Engine	Diesel, Volvo 9 liter - Stage 3

Incorporated in a enclosure: L=3,60 m; W=1,2 m; H=1,8 m