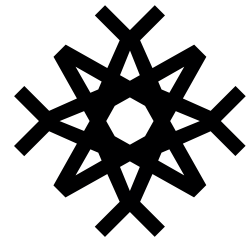


WATER-POWERED DRILLING

TECHNICAL SPECIFICATION: WASP 80D WASSARA HIGH-PRESSURE WATER PUMP



Wassara



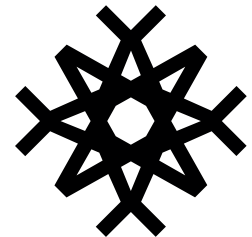
The **WASP 80D** pump is designed for Wassara water-powered DTH hammers, up to the size of W80. Its rugged design allows it to be placed near the drill rig and is easily handled by a fork lift or a crane.

FEATURES

- To reduce the footprint to an absolute minimum, the pump unit is built without a settling tank. When idling, the water is instead circulated internally to avoid unnecessary water spill. An external tank can be connected to the onboard booster pump if desired. The booster pump is automatically disengaged if the incoming water pressure is too high (eg. water from hydrant)
- The pump control has a *flushing-mode* function that will rev up the diesel engine to maximum, temporary increasing the flow rate for improved hole cleaning.
- The high pressure pump can be set up with three different **Plunger Kits** (\varnothing 36 mm, \varnothing 40 mm, \varnothing 50 mm) to optimize the performance and fuel consumption relative to the water hammer being used. Above that, a Pneumatic 3/2 way regulator with water-On/Off function and ability to discharge/by-pass water will enable the pump to supply flow rates below the minimum rpm of the diesel engine. A safety valve mounted at the high pressure pump block prevents overload damages.
- Simple water drainage by 4-ball valve to prevent freezing damages.

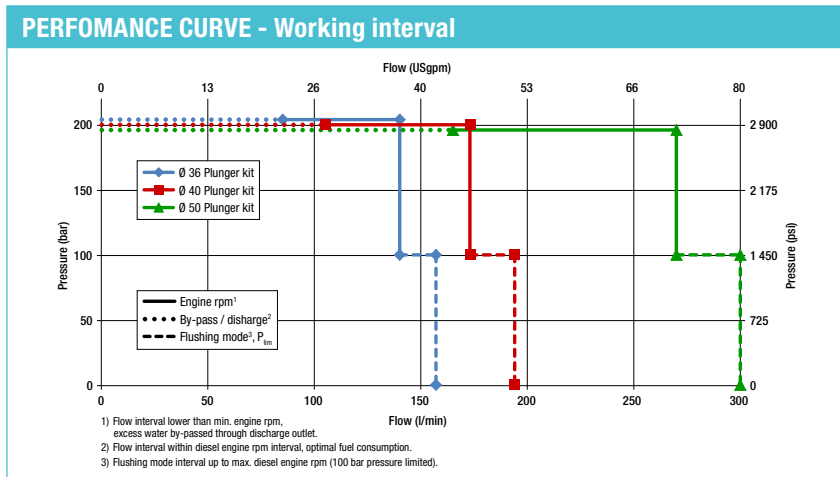
WATER-POWERED DRILLING

TECHNICAL SPECIFICATION: WASP 80D WASSARA HIGH-PRESSURE WATER PUMP



Wassara

TECHNICAL SPECIFICATIONS - WASP 80D		
Water pump	Kamat K 13000 MC series	
Diesel engine	Deutz TCD 2012 L06 2V - 120 kW net @ 2 000 rpm	
Emission class	TIER III, EPA/CARP & EU FLEX	
Diesel tank	280 l (~8 h @ full power)	
Dry weight	4 000 kg	
Connections	Water	Electric
	<i>Outgoing High-pressure: M52x 2 DKO</i> <i>Incoming: B-Storz coupling</i> <i>Discharge: C-Storz coupling</i>	1x 230 V 16 A 1x 300 V 32 A



- ### STANDARD
- 50 µm stainless steel filter
 - Suction stabilizer
 - 280 lit. diesel tank (~8 h @ full power)
 - Sound proof Canopy
 - Built-in oil basket in base frame
 - Lifting eyes and fork lift slots (AxB)

- ### OPTION
- Base frame with roof
 - Remote control incl. 2x50 m cable
 - Wireless remote control
 - Plunger kits (Ø 36, 40, 50 mm)
 - High-pressure pump spare parts kit
 - Diesel engine spare parts kit

PLUNGER diam.	Ø 50 mm (std) max. flow	Ø 40 mm (opt) max. flow	Ø 36 mm (opt) max. flow
Drilling mode (max 200 bar)	270 l/min	173 l/min	140 l/min
Flushing mode (max 100 bar)	300 l/min	194 l/min	157 l/min

