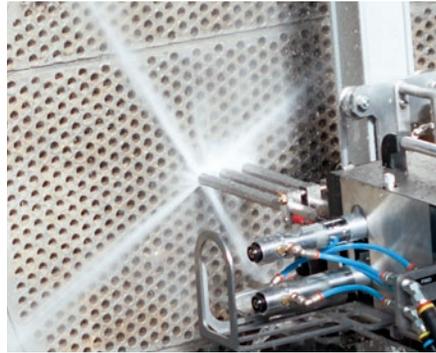


As variable as your cleaning applications

HAMMELMANN®

HDP 400 Diesel driven pump unit with manual 3 speed transmission only uses that energy needed for the job to be done.



3rd Gear

Full pump power as typically employed for tank cleaning

This pump unit enables you to adapt the flow rate to suit the work you are doing. The 3 transmission ratios 1:1, 1:2 and 1:6 cover the most important areas of industrial cleaning.

The biggest benefit for you is the reduced diesel fuel consumption as you only generate the power you actually need.

2nd Gear

Medium pump power for pipe and tube bundle cleaning

For manual blasting gun work the high pressure pump shaft only rotates at 1/6 th of maximum engine speed thereby saving up to 49 litres of fuel per hour.*

The low speed reduces wear on the pump and engine by operating in the partial load range.

1st Gear

Low pump power for manual blasting gun work

- The environmental benefits include lower CO₂ and noise emissions
- Lower torque on the engine in gears 2 and 3 at the same pressure
- No hot overflow water to be returned to tank
- Each gear is simply selected when the engine is not running

*Example:

HDP 400 fuel consumption, Piston/Plunger-Ø 50 mm, CAT C15 TIER 4 FINAL 3 speed manual transmission

Technical Data

Engine speed	Gear	Pump -		Flow rate	Operating pressure	Specific fuel consumption	Motor power rating	Fuel consumption
		speed	power rating					
1800 1/min	3	1800 1/min	400 kW	218 l/min	1000 bar	205 g/kw h	425 kW	103 l/h
1100 1/min	3	1100 1/min	246 kW	133 l/min	1000 bar	210 g/kw h	260 kW	63 l/h
1800 1/min	2	900 1/min	202 kW	109 l/min	1000 bar	215 g/kw h	215 kW	54 l/h
1100 1/min	2	550 1/min	123 kW	67 l/min	1000 bar	220 g/kw h	130 kW	35 l/h
1800 1/min	1	300 1/min	67 kW	36 l/min	1000 bar	242 g/kw h	71 kW	20 l/h
1100 1/min	1	183 1/min	22 kW	22 l/min	1000 bar	263 g/kw h	43 kW	13 l/h

Fuel saving with transmission when working with a manual blasting gun 49 l/hour, CO₂ reduction 129 kg/hour



Series HDP 400 Diesel driven high pressure pump unit with manual 3 speed transmission

Type overview



The following data table shows just a few examples of maximum performance combinations from the wide range

Model	Plunger Ø	Operating pressure	Flow rate	Engine power	Pump power
AQUAJET 40	28 mm	3000 bar	65 l/min	450 kW	400 kW
	35 mm	2000 bar	103 l/min		
S 1600-40	40 mm	1600 bar	137 l/min		
S 1100-40	50 mm	1000 bar	218 l/min		

Technical data

All „S Class“ and „Aquajet“ units are complete with :

- Rigid base frame with anti vibration mounting feet
- Insulated spiral silencer installation (32 dB(A) reduction) with exhaust and rain cap, particle filter or Ad Blue
- ES 3 electronic control and monitoring system with digital display for pump and diesel engine
- Pneumatic system with shaft driven compressor, air tank and bypass control
- Pneumatic pressure regulating valve or bypass valve
- Stainless steel suction side installation with boost pump and water filter („S Class“: 200µ & 10µ „Aquajet“: 1 µ)

There are optional extras available which include pump head lifting device, heating systems, water tanks and fuel tanks.

The series 40 „S Class“ and „Aquajet“ units can be built into 20 ft. or 25 ft. sound damped containers, sound damped aluminum truck bodies or trailer containers (BDF).



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