

# Diesel driven high pressure pump units

## 50 series

- Types:
- **Aquajet® 50** up to 43,500 psig
  - **S 1600 - 50** up to 23,600 psig
  - **S 1200 - 50** up to 15,100 psig



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

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

- Rigid base frame with anti vibration mounting feet
- Choice of Caterpillar in accordance with Tier4i
- Insulated spiral silencer installation (32 dB(A) reduction) with exhaust and rain cap, particle filter or Ad Blue
- ES 2 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
- Bypass water overflow line
- Burst disc safety device
- Stainless steel boost pump
- Stainless steel filter installation („S Class“ 200  $\mu$  & 10  $\mu$ , „Aquajet“ 1  $\mu$ )

The following data table shows just a few examples from the wide range of performances combinatons.

Unit Type	Pump Type	Op. pressure [psig]	Flow rate [GPM]	Power rating [HP]
Aquajet®50	HDP 504	43500	20.3	800
S 1600 - 50	HDP 503	23600	43.8	860
S 1100 - 50	HDP 503	18700	55.9	
	HDP 502	15100	69.2	

- Rod force: 47,200 lbf
- Stroke: 3.9 inch
- Mean piston speed at  $n_2$   
 315 1/r.p.m. = 3.48 foot/sec  
 380 1/r.p.m. = 4.17 foot/sec  
 465 1/r.p.m. = 5.05 foot/sec

There is a range of optional extras available which includes pump head lifting device, heating systems, water tanks and fuel tanks.

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