

# Diesel driven high pressure pump units

## 48 series

- Types:
- Aquajet® 48 up to 43,500 psig
  - S 1600 - 48 up to 23,200 psig
  - S 1200 - 48 up to 17,400 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 or Deutz engine in accordance with EPA/EC II
- Insulated spiral silencer installation (32 dB(A) reduction) with exhaust and rain cap
- 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 µ & 10 µ, „Aquajet“ 1 µ)

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

Unit Type	Pump Type	Op. pressure [psig]	Flow rate [GPM]	Power rating [HP]
Aquajet®48	HDP 484	43500	20.3	600
S 1600 - 48	HDP 483	22500	42.2	640
S 1100 - 48	HDP 482	17400	54.1	
	HDP 482	14500	67.6	

- Rod force: 148 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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