

# Diesel driven high pressure pump units

## 75 series

- Types
- Aquajet® 75 bis 43,000 psig
  - S 1600 - 75 bis 21,000 psig
  - S 1100 - 75 bis 16,700 psig



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



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

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
- Twin stainless steel filter installation („S Class“ 200 µ & 10 µ, „Aquajet“ 1 µ)

Unit Type	Pump Type	Op. pressure [psig]	Flow rate [GPM] *	Power rating [HP]
Aquajet®75	HDP 754	43500	33.8	1000
	HDP 754	27600	53.6	
S 1600 - 75	HDP 753	21000	70.8	
S 1100 - 75	HDP 752	16700	90.3	

\*At pressures over 29000 psig approx. 5% of the flow rate is lost due to the compressibility factor of water

- Rod force: 148 lbf
- Stroke: 3.9 inch
- Mean piston speed at n<sub>2</sub>  
315 r.p.m. = 3.48 foot/sec  
380 r.p.m. = 4.17 foot/sec  
465 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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