

# Aqua Energy

MODEL: DS-150-A

## Skid Mounted (Fully Acoustic) High Pressure Water Jetting Unit

Offshore models conform to the following Regulations  
Lloyds Open Deck Zone 11 Areas, OCMA MEC 1;  
BS5908 Zones 1 & 11; BP 200; Shell ISO 27;  
EEMUA No 107 (1992), ATEX 1834-1-2000 Specifications



### FEATURES

- Pressures up to 2758 bar (40,000 psi)
- Pump Rated up to 150 Horsepower
- Engine conform to offshore Rig Safe and Zone-2 specifications
- Up to 200 Gallon Storage Tank
- Removable Acoustic Doors & Panels
- 1 Micron Filter System

### PERFORMANCE OPTIONS:

2,758 bar @	21.00 l/min
1,400 bar @	44.00 l/min
1,100 bar @	53.00 l/min
950 bar @	63.00 l/min
800 bar @	74.00 l/min
700 bar @	86.00 l/min
600 bar @	98.00 l/min
300 bar @	190.00 l/min
250 bar @	235.00 l/min
200 bar @	285.00 l/min
170 bar @	335.00 l/min
145 bar @	395.00 l/min

*Waterjet Solutions*

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## Standard Features

**Pump- 150** horizontal triplex positive displacement pumps, rated up to 150 HP service. Plunger pump consists of stainless steel fluid cylinders, solid ceramic plungers, stainless steel valves and seats with chevron packing. The plungers and packing are water lubricated. The power end of the DS-150 pumps are positive splash oil lubricated with sight glass for oil level check. Crankshaft is made of high strength alloy steel. Main bearing is roller.

**Suction Plumbing-** Water filter 1 to 5 micron to protect pump.  
50 to 200 gallon water storage tanks with ball cock and float and low water level engine shut down.

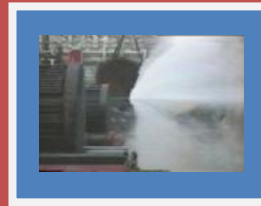
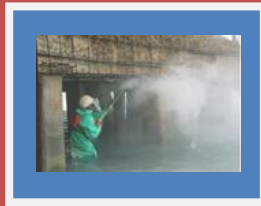
**Discharge Plumbing-** Discharge manifold with interchangeable high pressure discharge connections for pressure gauge, relief valve, rupture disc and hose couplings. Stainless steel glycerine filled pressure gauge, stainless steel snubber assembly, Rupture disc or relief valve.

**Unit Mounting-** Mounted on a steel channel frame with pump base and anti-vibration mountings.  
Steel plate top deck.

**Engines-** Doosan, Perkins or similar, rated to 238 horsepower, engines conform to offshore Zone-2 specifications.

**Power Transmission-** Direct Drive via a reduction gearbox or a belt drive system.

**Finish System-** Chassis are Galvanized and powder coated in Aqua Energy industrial blue.  
(Customers colour's available at no extra cost).



**Gun-** Rotary & Hand or foot dump control type with safety shroud, whip hose and coupling.

**Hoses-** High Pressure for use at pressures up to 4000 bar.

**Lances-** Rigid and flexible variety SAE, JIC, pipe and welded end connections.

**Nozzles-** Wide assortment for surface and tube cleaning.

**Rotary-** Surface Preparation Jets for coatings removal and descaling

**Regulator-** Variable flow and pressure adjustment. Controlled by hand or mechanical actuation.

**Auto-Throttle-** Variable engine speed adjustments with automatic return to idle when Aqua-Gun is depressurised.

**Vacuum-** Uses the Jet-Blaster pump to create a vacuum for sludge and slurry transport.

**Line Mole-** Pipe and sewer cleaning type with replaceable fan and round jet inserts.

**Abrasive Injector-** Aqua-Saw abrasive injector mixes abrasive in to Aqua-Gun discharge stream.

**Deck Cleaner-** Rotary jet driven multi-nozzle floor and grate cleaning system with hand operated controls.

**Couplings-** Quick disconnect Acme thread rated at up to 20,000-psi working pressure. Optional snap type for use to 10,000 psi.