

# [Aqua Energy International Limited](http://www.aquaenergy.com)

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## **Model “DT-50” Pressure Test and Water jet unit**

### **Trailer Mounted for manoeuvrability.**

- MODEL** : “DT-50, 20 to 60 horsepower High Pressure Water Jetting Unit.
- PERFORMANCE** : 280 bar, 400 bar, 500 bar, 600 bar, 800 bar, 1100 bar, 1200 bar, 1500 bar.
- PUMP** : Three cylinder triplex pump with safety rupture disc.
- ENGINE** : Perkins water cooled engine, optional choice of ISUZU, Kubota or Hatz Silenced engines.
- CONTROLS** : Pressure Control Valve, Pressure gauge, oil pressure indication, 12volt start.
- TRAILER** : Pump and engine mounted on sub-frame with flexible mounts to road trailer. Twin 13” wheels, auto reverse over-run Brakes, 50mm tow hitch, full road lights to EEC regulations.
- HOSE REEL** : Optional, manual or hydraulic hose reel with in-out control.
- HOSES** : Large selection of hoses and Flexible Lances.
- ACCESSORIES** : Wide assortment of Pipe and Sewer jets, Control Guns, Surface Preparation Nozzles, Abrasive Blast Nozzles, Foot Control Valves.

Aqua Energy can design our products to the customer’s specification, using the very latest CAD systems. For further information contact the above address or visit our World Wide Web Site:

[www.aquaenergy.com](http://www.aquaenergy.com)

## Standard Features

**Pump-** Horizontal triplex positive displacement pump, rated up to 60HP service. Plunger pump consists of Stainless Steel Fluid Head. Stainless steel valves, seats, springs and stainless steel plungers with ceramic coating. The plungers and packing are water lubricated. The power end of the pump is positive splash oil lubricated with sight glass for oil level check. Crankshaft is gas nitrated, hardened and tempered alloy steel. Main bearings are roller.

**Suction Plumbing-** 1" Female BSP inlet port.  
Twin easy clean water filters ensures a clean water supply to the pump.

**Discharge Plumbing-** Discharge manifold with ½" FBSP outlet port.  
Glycerine filled pressure gauge and safety rupture disc.

**Unit Mounting-** Mounted on a steel channel frame with pump base and adjustable motor base. Steel plate top deck.

**Power Transmission-** Pump and engine connected via non-slip belt drive and safety guard.

**Finish System-** All units are hot dipped and galvanised.  
Left galvanised or powder coated in Aqua Energy blue or to the customers colours

## Optional Accessories:

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

**Hoses-** Ultra high pressure for use at pressures up to 4,000 bar.

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

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

**Pressure Control Valve-** Variable flow and pressure adjustment. Controlled by hand or mechanical actuation.

**Auto-Throttle-** Variable engine speed adjustments with automatic return to idle when Dyna-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 into Dyna-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.

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