

# AQUA ENERGY

**Electric Driven, Skid Mounted  
High & Ultra High Pressure Water Jetting Units**  
Choice of Sound Attenuated Canopies & Offshore Crash-Frames  
All models conform to European CE Regulations  
Units up to 500 horsepower

## Model: ES-180 HP



### PERFORMANCE OPTIONS

2,758 bar @ 24.00 l/min  
1,500 bar @ 44.00 l/min  
1,300 bar @ 52.00 l/min  
1,100 bar @ 63.00 l/min  
900 bar @ 72.00 l/min  
800 bar @ 84.00 l/min  
700 bar @ 96.00 l/min

## Model ES-220 UHP

### PERFORMANCE OPTIONS

2,758 bar @ 26.60 l/min  
2,000 bar @ 43.00 l/min



**Aqua Energy International Limited, 28 St James Business Centre, Linwood Road,  
Paisley PA3 3AT, Scotland, UK**

**Tel: (+44) (0) 141 849 6888 Fax: (+44) (0) 141 848 5777  
E-mail: sales@aquaenergy.com www.aquaenergy.com**

# ES-180 & ES-220

## Standard Features

**Pump-** ES horizontal triplex positive displacement pump, rated up to 220 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 ES series pump is 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 capacity protects pump.

Water storage tanks with ball cock and float, low water level shut down incorporated.

**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.

**Power Transmission-** Direct Drive via a 1500 rpm or 1800 rpm reduction gearbox, or belt driven.

**Motor:** ABB or similar, control panel and motor to Star Delta Start.

**Paint System-** Units are hot dipped and galvanised, left galvanised, or powder coated in Aqua Energy Blue or in the customers colours.

## Optional Accessories:

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

**Hoses-** High Pressure for use at pressures up to 50,000 psi.

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

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

**Rotary-** Surface Preparation Jet 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 into 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.

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