



Compact Electric Motor Driven Pump

PES-1500-01 is a standalone electric pump that is both lightweight and portable. The pump, reservoir and motor are all combined into one easily handled package built around a steel frame with rubber feet.

The pump is fitted with a CEJN 116 coupling outlet, a glycerine filled damped pressure gauge and an oil sight glass. It also features a fully functional remote control with a 5m cable.

Boltight's PES-1500-01 is well suited for use in the wind turbine industry for its relatively low weight and small size. The pump is very easy to use and maintain and is equipped with an industrial inline oil filter. It has a manually adjustable pressure relief valve for easy setting of the maximum working pressure. It is also fitted with an internal pressure safety valve.

The pump is pressurised in two stages. The low pressure stage is factory set to provide a high volume oil flow for rapid piston extension and seal energising. When higher pressure is required the pump automatically switches to the high pressure, low volume mode. The high oil flow ensures the pump reaches the desired operating pressure very quickly.

Options

The pump is available for 240V or 110V power supply. The relevant part numbers are PES-1500-01-240V and PES-1500-01-110V.



Electric Pump **PES-1500-01**

Specification

Maximum Operating Pressure
1500 bar.

Electric Motor Options
200V-240V 50/60Hz single-phase
110V-120V 50/60Hz single-phase
Protection Rating: IP54
Protected aginast dust - limited ingress permitted
Protected Against water sprays from all directions - limited ingress permitted

Power Rating
0.75kW

Pump Capacity
1st Stage: 3.5 litres per minute up to 30 bar*
2nd Stage: 0.35 litres per minute up to 1500 bar*
* at 50Hz (at 60Hz +20%)

Oil Reservoir
ISO32, ISO46 hydraulic oil. Capacity 5 litres.

Maximum Pressure Valve
Manual adjustment 0-1500 bar

Dimensions
450 mm long x 320 mm wide x 430 mm high

Weight
Without oil 32.5 kg - with oil 37.5 kg

Noise Level
82 db (A)

Safety Valve
Internal pressure safety valve

Pressure Scale
100mm diameter gauge, dual scale 2000 bar/ 30,000 psi

Remote Operation
Fully functional remote operation with 5m cable

CE Marked
This pump conforms to the European Pressure Equipment Directive and is CE Marked.

LLOYD'S REGISTER QUALITY ASSURANCE ISO9001

PJLA Calibration Accreditation No.: 66167

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