HuBei Petrokh Petroleum Machinery Co., Ltd.
Oil & Gas Petroleum Machinery — Fracturing · Cementing · Acidizing · Workover
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2000HP Reciprocating Triplex Plunger Pump (3ZB-1490)

Horizontal Reciprocating Triplex Plunger Pump

The 3ZB-1490 / 2000HP reciprocating triplex plunger pump is the large-power member of the Petrokh frac pump family, rated at 1490 kW maximum brake power with a 203.2 mm stroke. With plunger options from 4" to 5" it is widely used for acidizing, fracturing and well killing in intermittent oil exploitation.

Technical Specifications

Pump Type	2000 (3ZB-1490), triplex horizontal
Max. Input Power	1490 kW (2000 HP)
Max. Load of Conrod	1020 kN
Stroke	203.2 mm
Max. Specific Water Cycle	330 rpm
Drive Ratio	6.353 : 1
Plunger Diameter	4" / 4-1/2" / 5"
Max. Discharge Pressure	97.5 MPa
Displacement Range	469 – 3083 L/min (plunger & speed dependent)
Overall Dimension (L×W×H)	2280 × 1560 × 1128 mm
Weight	5668 kg

Plunger	Disp. 75 rpm (L/min)	Press. 75 rpm (MPa)	Disp. 330 rpm (L/min)	Press. 330 rpm (MPa)
4"	469	97.5	2064	43.9
4-1/2"	579	79	2548	35.5
5"	701	65.3	3083	29.4

Typical Applications

- Acidizing and matrix stimulation
- Hydraulic fracturing
- Well killing and other intermittent high-pressure service

Certification & Testing: API · HSE · ISO 9001:2008 Certified Manufacturer | Established in 2006. This unit is designed and built for oilfield service duty; full factory test reports and configuration data are available on request.