HuBei Petrokh Petroleum Machinery Co., Ltd.

Oil & Gas Petroleum Machinery — Fracturing · Cementing · Acidizing · Workover

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600HP Triplex Plunger Pump

Horizontal Single-Acting Reciprocating Triplex Pump

The 600HP triplex plunger pump is a horizontal single-action reciprocating pump rated at 447 kW maximum brake horsepower. With a 152.4 mm stroke and 450 rpm water circle it delivers from 104 to 235 L/min and is suited to hydraulic cementing of oil and gas wells and smaller fracturing jobs.

Technical Specifications

Model	600 Pump (Long) / 600 Pump (Short)
Rated Max. Brake Horsepower	447 kW (600 HP)
Maximum Rod Load	445000 N
Stroke Length	152.4 mm
Max. Specific Water Circle	450 rpm
Drive Ratio	4.61 : 1
Plunger Diameter	3" / 3-1/2" / 4" / 4-1/2"
Max. Discharge Pressure	97.5 MPa
Displacement at 450 rpm	104 – 235 L/min (by plunger size)
Dimension (Long / Short)	1626×1366×607 / 1292×1366×607 mm
Weight (Long / Short)	2492 kg / 2155 kg

Plunger	Disp. 50 rpm (L/min)	Press. 50 rpm (MPa)	Disp. 450 rpm (L/min)	Press. 450 rpm (MPa)
3"	104	97.5	938	25.9
3-1/2"	142	71.7	1277	19
4"	185	54.9	1668	14.6
4-1/2"	235	43.4	2111	11.5

Typical Applications

- Acidizing, cementing and well killing
- Smaller-size hydraulic fracturing
- Gravel packing and intermittent workover 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.