HuBei Petrokh Petroleum Machinery Co., Ltd.

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

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YLC105-1860 Hydraulic Fracturing Truck (2500A)

Truck-Mounted Quintuplex Frac Pumper

The YLC105-1860 hydraulic fracturing truck (2500A) is a 105 MPa quintuple plunger pump truck that delivers large displacement with small pressure fluctuation. On a Beiben 8×4 / 8×8 chassis with a CAT 3512C or Cummins QSK60 engine, it pumps proppant-laden fluids in hydraulic and acid fracturing under remote / network control.

Technical Specifications

Chassis	Beiben 8×4 / 8×8 (BENZ / MAN optional)
Deck Engine	CAT 3512C / Cummins QSK60
Deck Gearbox	CAT TH55-E70 / Allison S9825M
Plunger Pumper	2500 quintuple plunger pump
Maximum Pressure	105 MPa
Plunger Diameter	3-3/4" / 4" / 4-1/2"
Max. Displacement	up to 3115 L/min (4-1/2" plunger, top gear)
Overall Dimension	11300 × 2500 × 4000 mm
Weight	37000 kg

Gear	Sp. water cycle (rpm)	Disp. 3-3/4" (L/min)	Disp. 4" (L/min)	Disp. 4-1/2" (L/min)	Press. (MPa)
I	48	347	394	499	121 / 105 / 84.7
III	88	642	728	922	121 / 105 / 84.7
V	163	1186	1345	1702	70 / 66 / 52
VII	299	2171	2462	3115	38 / 36 / 28

Typical Applications

- Hydraulic and acid fracturing with proppants
- Pressure testing
- Remote / data-van network controlled frac fleets

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.

Performance table at deck engine n = 1900 r/min; pressure columns correspond to 3-3/4" / 4" / 4-1/2" plungers.