

# 2500 hydraulic fracturing truck

## Product advantages

- The displacement control of hydraulic transmission is more precise, the displacement is continuous and adjustable, the continuously variable transmission has no impact, and the flexible transmission is more stable;
- According to different operating conditions, flexibly open the appropriate number of engines to realize the multiple purposes of one machine;
- Purchasing cycle of engine, chassis and other parts is short, and shorten manufacturing cycle can realize the faster delivery to customers;
- Realization of heat source management and key maximum temperature of the whole machine not exceeding 350°C can greatly improve the safety of the whole truck. The oil cylinder type segmented hydraulic steel pipes are used to reduce the weld seams and to improve the safety performance by a level;
- Adoption of common engine and hydraulic elements in the market and removal of gearbox can significantly reduce the maintenance threshold, save maintenance cost and shorten the maintenance cycle;
- Multiple engines backup each other. When one engine fails, others may provide compensation by increasing the output power, which can ensure the continuous construction without interruption;
- Minimum clearance from ground is 360 mm, the turning diameter is 28 meters, and the engine has brake in cylinder to enhance the passing performance;
- Good plateau performance, and no power reduction at 3000m.





Main functional characteristics of product

- ①

Coiled tubing drilling plug for fluid supply, with displacement of 0.2-0.4 m³/min and pressure of about 70-100 Mpa;
- ②

Chemical squeeze injection into self-blowout well for pipe clearance, with displacement≤ 0.2m³/min and pressure of about 100Mpa;.
- ③

Shale gas fracturing, with displacement of 0.8-1m³/min and pressure of about 70-90Mpa, for long continuous operation;
- ④

Coalbed methane fracturing, with displacement of 1.5-1.8m³/min and pressure of 20-50Mpa;
- ⑤

Oil field increase production operation, with displacement of 0.8-1m³/min and pressure of 50-70Mpa.

Main product parameters

Product type	2500-type
Maximum operating pressure (MPa)	124-4”
Maximum output flow (L/min)	2471-4”
Maximum water output power (kw/hp)	1860 \ 2500
Overall dimensions (L × W × H) (mm)	12330×2500×3850
Total weight of equipment (t)	44
Superstructure engine power hp (kw)	4×768□4×565□@1900
High-pressure manifold system (MPa)	105 Mpa

Pressure Displacement Table

Stroke number	Displacement L.min-1			Pressure MPa		
	3.75" plunger	4.5" plunger	5" plunger	3.75" plunger	4" plunger	5" plunger
3	22	25	31	39	140	124
67	486	553	700	864	140	124
84	608	692	876	1082	140	124
105	762	867	1097	1355	140	124
124	901	1025	1298	1602	124	109
156	1131	1287	1629	2011	99	87
195	1410	1605	2031	2507	79	70
240	1738	1977	2502	3089	64	57
300	2172	2471	3457	3861	51	45

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