IntelliFrac™ - Electric Frac Unit

High Power. Low Emissions. Intelligent Performance.

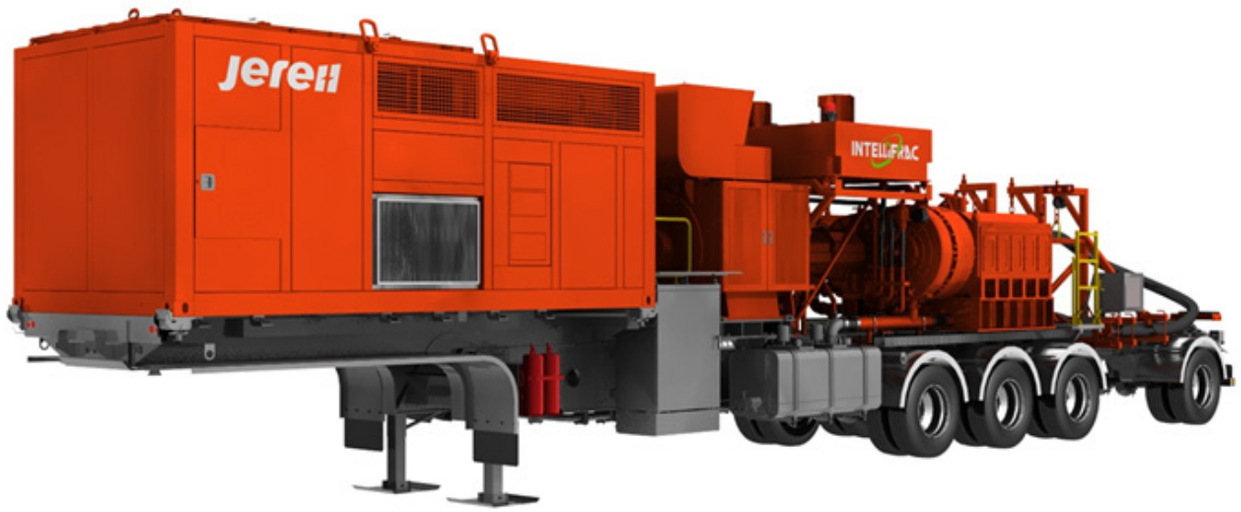
IntelliFrac™ Electric Frac Unit is a next-generation electric fracturing solution designed to replace traditional diesel- and dual-fuel powered fracturing units with a high-efficiency,low-emissions, and cost-optimized electric platform. Built for modern shale operations, the IntelliFrac Electric Frac Unit delivers high horsepower rate, operational flexibility, and reduced total cost of ownership.

Why IntelliFrac Electric Frac Unit?

- Lower emissions: Zero on-site emissions with grid power; reduced CO_2 and NO_x, with gas turbines or gas engines.
- Reduced noise pollution, improving HSE performance and community impact.
- Lower operating costs due to reduced fuel use and extended maintenance intervals.
- Reduced noise pollution, improving HSE performance and community impact.
- Higher efficiency and reliability with stable torque delivery and precise pressure control.

Flexible Power Architecture

IntelliFrac Electric Frac Unit operates on grid power, gas turbine generators, or reciprocating gas engines, allowing operators to optimize fuel economics and infrastructure strategy.



Features and Benefits

- Proven technology successfully logged significant operating hours in harsh conditions in West Texas and Pennsylvania
- Intuitive remote and local control systems suitable for both experienced and novice operators
- Multi-layer safety protection minimizes crew risk and safeguards equipment
- At least 30% weight reduction versus competitors using our in-house motor and VFD design
- Fully cast single-pump configuration reduces maintenance frequency and lowers consumable costs, delivery high flow rates at high pressures

Technical Specifications

Subsystem	Parameter	Specification
Main Electric Motor	Rated Power	6,000 hp (4,500 kW)
	Rated Voltage	3,300 V
VFD	Input Voltage	13.8kV+10%@60 Hz
JR7000E Pump	Pump Type	Quintuplex Plunger Pump
	Maixmum Input Power	7,000 bhp
	Maximum Speed	170 rpm
	Number of Plungers	5
	Cylinder Spacing	11-1/3 in.
	Stroke	11 in.
	Maximum Rod Load	316,981 lbf
	Power End Design Life	>15,000 hours
	Construction	Fully cast crankcase, crosshead box and spacer frame

Optional Condition Monitoring

The Jereh Pump Condition Monitoring System provides real-time monitoring, predictive diagnostics, and early fault detection to reduce non-productive time and improve asset utilization.

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