

Ideal eFrac Pump

Maximum power. More uptime.

NOV's Ideal™ eFrac pump delivers up to 5,000 hp for modern pressure pumping operations. Designed for continuous service, our trailer-mounted unit combines intelligent electrical architecture with simplified drivetrain to increase power density and flexibility while maintaining the redundancy that fracturing operations require.

As part of the Ideal eFrac fleet, the pumping unit integrates with our digital control systems for centralized control and remote operation. Real-time monitoring and equipment health visibility provide greater insight into performance to maximize uptime and reduce total cost of ownership.

Power with precision

An all-electric architecture is designed to lower fuel consumption, maintenance, and non-productive time.

- Up to 5,000 hp pumping capability
- 13.8 kV primary power
- 5,000-bhp induction motor rated to 2,800 RPM
- Medium-voltage, low-harmonic variable frequency drives
- Air-cooled E-House with integrated 4,500 kVA transformer

Built for high-pressure performance

The Ideal eFrac pump is engineered to keep fluid moving for efficient fracturing operations.

- Up to 15,000 psi working pressure
- Rates up to 27 BPM
- Rated for continuous duty operation in extreme environments
- Multi-pump platform, allowing for evolution in pump technologies

Remote operation and control

Monitor and manage the complete pump system from the data van or a remote location.

- Real-time pressure and flow monitoring
- Compatible with IdealOS™ MultiPump remote control system
- Automatic shutdown, emergency stop, and emergency kill functions
- NOV Max™ Ready edge device with optional cloud connectivity, equipment health monitoring, alerts, GPS tracking, and maintenance insights
- Optional Max Platform access

Ready for demanding conditions

The Ideal eFrac pump is designed for the demands of today's pressure pumping fleets.

- Heavy-duty drop deck trailer-mounted design
- E-House designed for unmanned operation
- DOT-compliant and transport-ready for efficient deployment
- Approximately 59 ft x 8.6 ft x 13.6 ft (18 m x 2.6 m x 4.15 m)
- Integrated grounding and cable management

Power distribution, simplified

Working in conjunction with the Ideal eFrac unit, our Ideal Power Pod serves as the modular electrical hub of the pump, delivering safe, reliable power distribution.

- Supports up to three Ideal eFrac pumps
- Electrical quality monitoring integrated
- Skid-mounted substation delivers up to 15,000 hp at 13.8 kV across the fleet
- 480VAC and 120VAC shore power connections
- Standard rating: 0°C to 47°C (32°F to 117°F)
- Optional ratings: -40°C (-40°F), high temperature rating: 55°C or 131°F