



# IntelliFrac - Electric Fracturing Unit

The IntelliFrac uses electricity, instead of diesel to power the pumps that inject fluids into the ground to fracture the rock and create a pathway for oil and gas to flow.

Manufactured by Jereh and equipped with Jereh's JR7000QPE pump. The IntelliFrac offers several advantages over traditional diesel-powered fracturing units, including lower emissions, reduced noise pollution, increased efficiency, increased flexibility and substantially lower operational costs.

The IntelliFrac can operate on a variety of electrical sources, including gas turbine power generators and reciprocating gas engines. When paired with grid power, it produces zero emissions, making it a versatile and environmentally conscious solution.

## Technical Parameters

- Main Electric Motor:
  - Rated Power: 6,000 hp (4,500 kW)
  - Rated Voltage: 3,300 V
- VFD: Input Voltage: 13.8 kV  $\pm$  10% @ 60 Hz
- Quintuplex Plunger Pump: JR7000QPE



## JR7000QPE Quintuplex Plunger Pump

Plunger Size	Disp.	Displacement at Pump Strokes per Minute													
		60		80		100		120		140		150		170	
		BPM (L/min)	psi (MPa)	BPM (L/min)	psi (MPa)	BPM (L/min)	psi (MPa)	BPM (L/min)	psi (MPa)	BPM (L/min)	psi (MPa)	BPM (L/min)	psi (MPa)	BPM (L/min)	psi (MPa)
4.5	3.79	5.41	20,000	7.21	20,000	9.02	20,000	10.82	20,000	12.62	20,000	13.52	19,010	15.33	16,774
114.3	14.33	860.1	137.9	1,146.8	137.9	1,433.4	137.9	1,720.1	137.9	2,006.8	137.9	2,150.2	131.1	2,436.8	115.7
5	4.68	6.68	16,200	8.90	16,200	11.13	16,200	13.36	16,200	15.58	16,200	16.70	15,399	18.92	13,587
127	17.70	1,061.8	111.7	1,415.7	111.7	1,769.7	111.7	2,123.6	111.7	2,477.6	111.7	2,654.5	106.2	3,008.5	93.7
5.5	5.66	8.08	13,388	10.77	13,388	13.47	13,388	16.16	13,388	18.86	13,388	20.20	12,726	22.90	11,229
139.7	21.41	1,284.8	92.3	1,713.1	92.3	2,141.3	92.3	2,569.6	92.3	2,997.8	92.3	3,212.0	87.8	3,640.2	77.4

Note: Above data is based on 90% ME & 100% VE, it may vary depends on operation condition.

