



Apollo - Direct Drive Turbine Fracturing Unit

Apollo is a versatile piece of equipment that meets ESG standards. It is equipped with Jereh's exclusive 5,000 HP continuous pump and state-of-the-art 5,336 SHP gas turbine that runs on 100% natural gas, including CNG, LNG, pipeline gas, and wellhead gas.

It uses a gas turbine to power the pumps that inject fluids and sand into the ground to fracture the rock and release oil and gas. It is ideal for use in remote or off-road locations where space is limited, it is quieter, highly reliable, and reduces operational costs substantially.

Apollo increases efficiency by reducing the number of pumps, site footprint, iron connections, and field personnel by 40-45%, while also increasing power-density per unit.

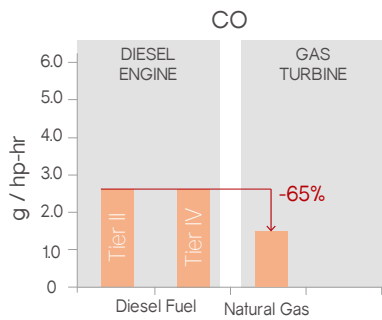
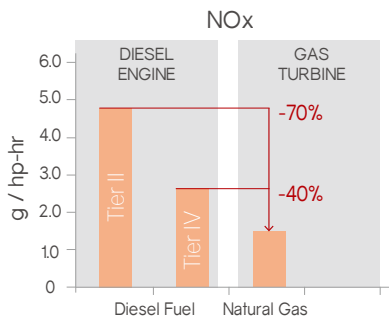
Technical Parameters

- Power: Gas Turbine rated at 5,336 SHP (ISO conditions)
- Plunger Pump: JR5000QPE Continuous Plunger Pump
- Max. Pump Flowrate: 15 BPM (5" Plunger)
- Max. Working Pressure: 13,751 psi (5" Plunger)
- Dimensions: 60'5" × 9'2" × 13'8"



Emission Levels Below EPA Tier IV Limits

- No Methane Slip



Saving 90% ↓ Fuel cost-50Khp fleet for 10 years
Wellhead Gas=\$1.45/mcf

Saving 30% ↓ Fuel cost-50Khp fleet for 10 years
CNG=\$11.25/mcf

Fuel Cost: Compared with fuel cost of conventional frac pump

JR5000QPE Plunger Pump

- Rated Brake Horsepower: 5,000 hp
- Max. Rod Load: 270,000 lbf
- Stroke Length: 10 in
- Overall Dimensions: 98.4 in × 111.4 in × 44.1 in
- Weight: 30,000 lb (13,600 kg)

Plunger Size	Disp.	Displacement at Pump Strokes per Minute											
		40		60		80		100		120		150	
in (mm)	gal/rev (L/rev)	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	2.72	2.60	20,000	3.88	20,000	5.19	20,000	6.48	20,000	7.76	20,000	9.71	18,904
101.60	10.30	411.90	137.90	617.80	137.90	823.70	137.90	1,029.60	137.90	1,235.60	137.90	1,544.40	13.40
4-1/2	3.44	3.29	16,976	4.93	16,976	6.55	16,976	8.19	16,976	9.83	16,976	12.29	14,937
114.30	13.03	521.30	117.10	781.90	117.10	1,042.50	117.10	1,303.10	117.10	1,563.80	117.10	1,954.70	103.00
5	4.25	4.05	13,751	6.07	13,751	8.10	13,751	10.12	13,751	12.14	13,751	15.19	12,099
127.00	16.09	643.50	94.80	965.30	94.80	1,287.00	94.80	1,608.80	94.80	1,930.60	94.80	2,413.20	83.40
Brake Power (HP/kW)		1,515 / 1,130		2,273 / 1,695		3,031 / 2,260		3,788 / 2,825		4,546 / 3,390		5,000/3,729	
Input Speed (RPM)		380		571		761		951		1,141		1,427	



JEREH
PRODUCT PROFILE
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