







digiPRIME®

Natural Gas Power Tailored for Every Pad



DIGIPRIME IS A KEY PILLAR of Liberty's leading digiTechnologiesSM, providing efficient power, reduced emissions, and site-wide integration

Liberty's digiPrime fleet delivers the future of hydraulic fracturing power—**leveraging 100% natural gas mechanical drive systems for efficient, lower-impact performance**. Tailored to each site, our lineup offers hybrid technology, variable-speed precision, and maximum power density—streamlining operations, boosting fuel performance, and reducing footprint and fuel per stage.

	MTU digiPrime	Cummins digiPrime	Caterpillar® GMS digiPrime
Overview	Deployed in 2023 Industry's first hybrid natural gas-electric frac pump	Latest-generation hybrid with variable speed capability	Liberty's most power-dense variation with added fuel flexibility
Key Benefits	Proven experience across multiple basins; Quiet Operations	Fine-tuned performance with variable speed control capability; Quiet Operations	Largest gas quality operating range with high BTU capabilities
Engine/Drive System	MTU 16V4000 Natural gas engine with mechanical drive system	Cummins HSK78G Natural gas engine with mechanical drive system	Caterpillar Gas Mechanical System (GMS)
Auxiliary System	Fully electric with no hydraulic fluids	Fully electric, evolved from MTU platform	N/A
Shared Features Across All digiPrime Platforms	 100% natural gas mechanical drive		 Reduced equipment footprint
	 Strong fuel efficiency & operational cost savings		 Lower total emissions when compared to Tier IV dual fuel

digiPRIME

TECHNICAL SPECIFICATIONS

	MTU digiPrime	Cummins digiPrime	Caterpillar® GMS digiPrime
Thermal Efficiency	43%	44%	Pending EPA Certification
Usable Horsepower (HHP)	2,400	2,600	3,100
Engine Speed (rpm)	1,500 Constant	1,509 Variable	1,800 Constant
Avg. CO2e Emissions (g/bkW-hr)	537.4	549.8	Pending EPA Certification
Avg. NOx Emissions (g/bkW-hr)	1.34	1.30	Pending EPA Certification
Max Fuel Consumption (scf/hr)*	17,000*	16,900*	25,000*
Gas Requirements at 100% Load	Min. 70 MN; 130 psi inlet	Min. 75 MN; 130 psi inlet	Derate starting at 70 MN; 130 psi inlet
Max Rate	12.4 bpm at 8,000 psi	12.9 bpm at 8,000 psi	12.4 bpm at 10,000 psi
Max Pressure	15,000 psi at 6.5 bpm	15,000 psi at 6.9 bpm	15,000 psi at 8.3 bpm

*Information is subject to change based on fuel quality and as additional data becomes available over time.

