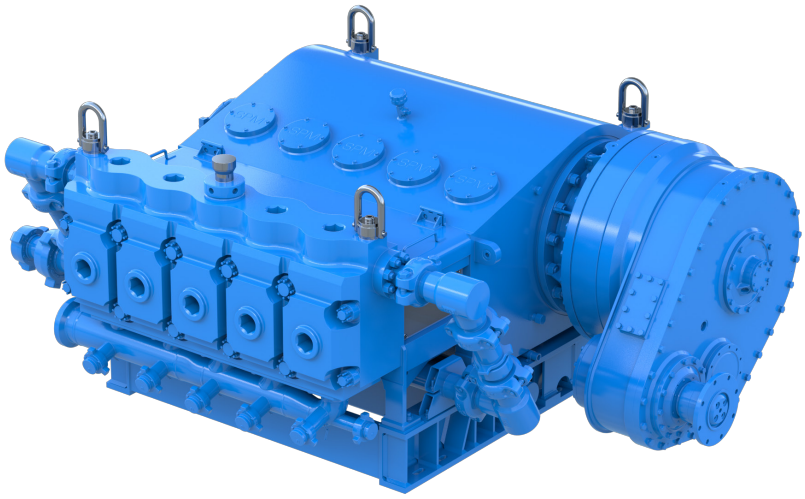
SPM® QEM 5000 E-Frac Pump

Extreme durability and total system cost reduction

SPM™ Oil & Gas
A Caterpillar Company



Increase your horsepower while decreasing your pumps

SPM Oil & Gas leveraged our nearly 150-year legacy of engineering excellence and the precision engineering of the proven SPM® QEM platform—with zero NPT reported in more than a billion field cycles—to design a heavy-duty, high-horsepower frac pump built to run at 100% of rod load, 24 hours a day—and it's built for electric, too.

The SPM® QEM 5000 E-Frac Pump answers industry demand for longer hours of operation, offering extreme durability and total system cost reduction in a cleaner package.

Its compatibility with electric motors and gas turbines, means the SPM® QEM 5000 E-Frac Pump enables lower fuel spend and fewer overall assets on location. The pump's high capacity and durability are designed to reduce downtime, lower total cost of ownership, and improve your bottom line.

Applications

Fracturing

Specifications

Maximum Brake Horsepower Input	5,000 BHP (3,729 kW)
Stroke Length	8" (203.2 mm)
Approximate Length	87" (2,210 mm)
Approximate Width	116" (2,946 mm)
Approximate Height	54" (1,372 mm)
Approximate Weight (dry)	Approx weight 29,250 + 11,000 lbs as shown

Consult with your product sales representative for performance data specific to your application.

Note: Pump dimensions and weights are approximate. For full detailed drawings, please contact SPM Oil & Gas.

Design Features

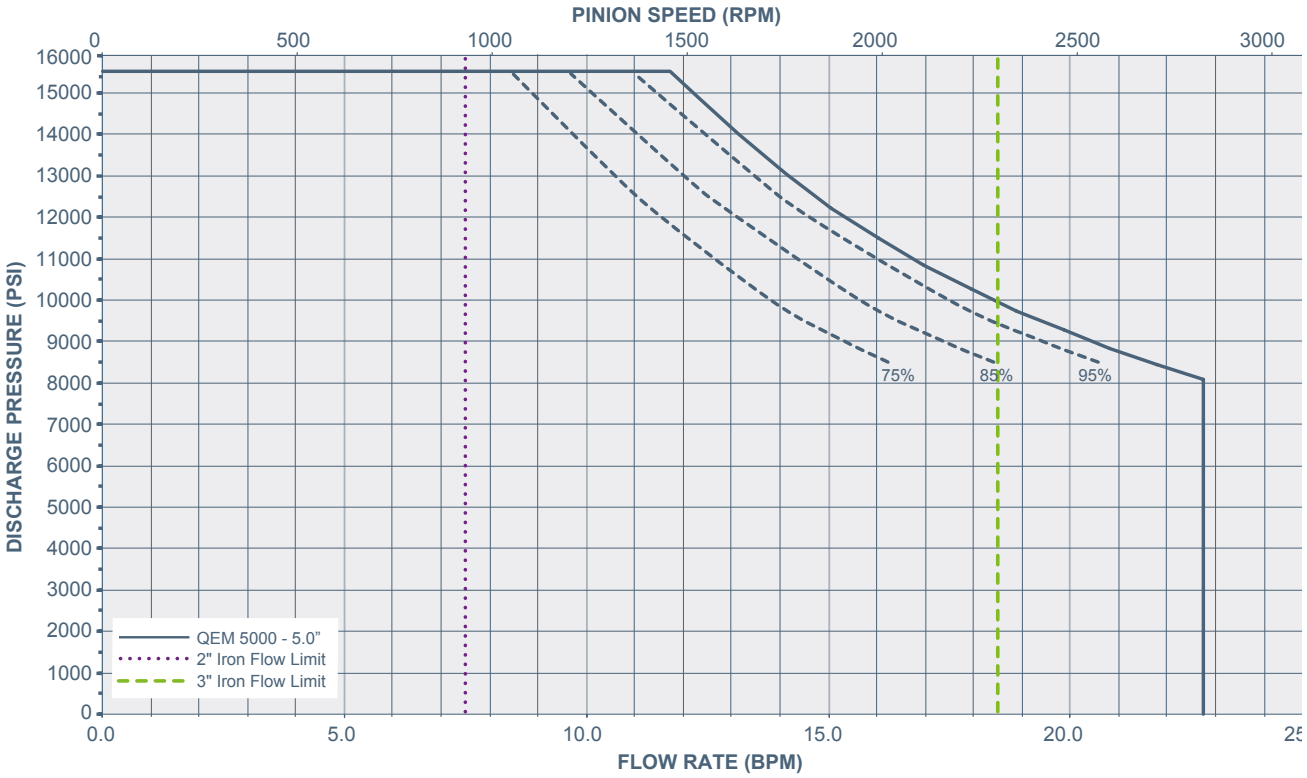
- Structural rigidity in the frame provides more stability to increase pump life and lower maintenance
- Dual line lubrication provides the right amount of pressure and flow for each component and provides excellent lube flow in cold starts. Onboard filtration reduces lubricant contamination to extend life.
- The industry's largest frac pump bearing minimizes shock loading impact to increase component life.
- Designed with a counter-clockwise input rotation for electric and turbine-driven systems

Benefits

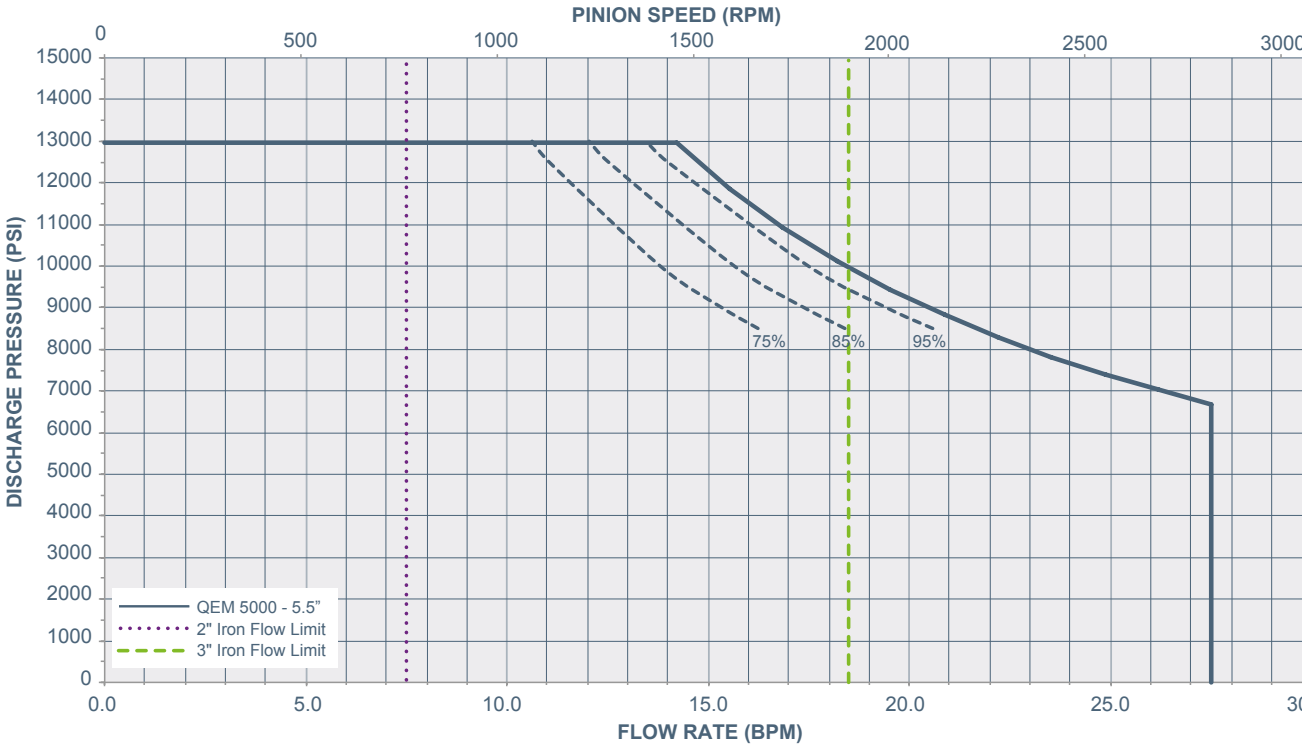
- Minimizes up-front capital investment up to 50% reduction in pump equipment*
- Reduces maintenance and operational costs by 30-40%*
- Increases site safety with fewer pump bores to maintain
- Smaller footprint allows greater fleet-wide efficiency

*Over legacy systems

Pump: QEM 5000 – 5.0”, Gearbox 10.05:1, Rod Load 308,000 lbs



Pump: QEM 5000 – 5.5”, Gearbox 10.05:1, Rod Load 308,000 lbs



* Based on 90% machanical efficiency and 100% volumetric effiency.

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