

SPM® Frac Pump Comparison

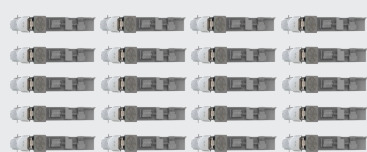
SPM™ Oil & Gas

A Caterpillar Company

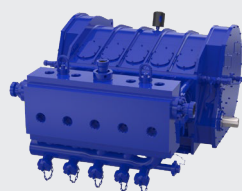
Have an existing fleet but need
to purchase a new pump...

Need to purchase
a new fleet...

Diesel Driver



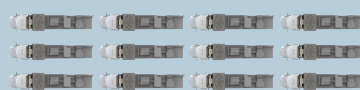
- 20 pumps
- ~ 1600 HP each
- 100 bores



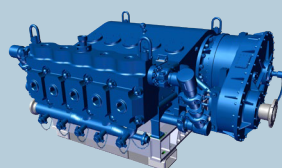
SPM® EXL Frac Pump

Intermittent

Diesel Driver



- 12 pumps
- 3000 HP each
- 60 bores



SPM® QEM 3000 Frac Pump

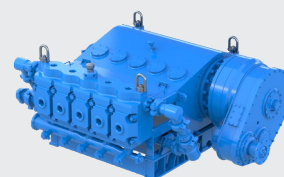
Continuous Duty

Non Diesel Driver

(including electric and
natural gas turbines)



- 8 pumps
- 5,000 HP each
- 40 bores



SPM® QEM 5000 E-Frac Pump

Continuous Duty Electric

Specifications	SPM® EXL Frac Pump Intermittent	SPM® QEM 3000 Frac Pump Continuous Duty	SPM® QEM 5000 E-Frac Pump Continuous Duty Electric
Rated maximum Brake Horsepower	2,500 BHP	3,000 BHP	5,000 BHP
Maximum Rod Load Capacity	238,000 LBf	275,000 LBf	308,000 LBf
Stroke Length	8 in	8 in	8 in
Gear Ratio	6.353:1	6.963:1	10.05:1
Approximate Length	86.5 in	87 in	87 in
Approximate Width	79.5 in	116 in	116 in
Approximate Height	45 in	54 in	54 in
Approximate Weight (dry)	17,385 lbs	25,775 lbs	26,000 lbs
Key features:	<ul style="list-style-type: none"> • Ability to drop in and replace existing QWS2500s frac pump • Delivers highest rod load in its class • Features SPM® Everbore™, a hardened steel packing bore that eliminates wash boarding and protects against packing bore wash 	<ul style="list-style-type: none"> • Operates at full rod load for 100% of pumping hours • Increases site safety with fewer pump bores needed to maintain • Utilizes the largest frac pump bearing on the market to increase component life 	<ul style="list-style-type: none"> • Built on proven power and durability of the QEM platform, having nearly one billion field cycles with zero NPT reported • Capacity of 5,000-horsepower in a single unit, rated for service at 100% of rod load, 24 hours a day • Reduces fleet footprint and environmental impact

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