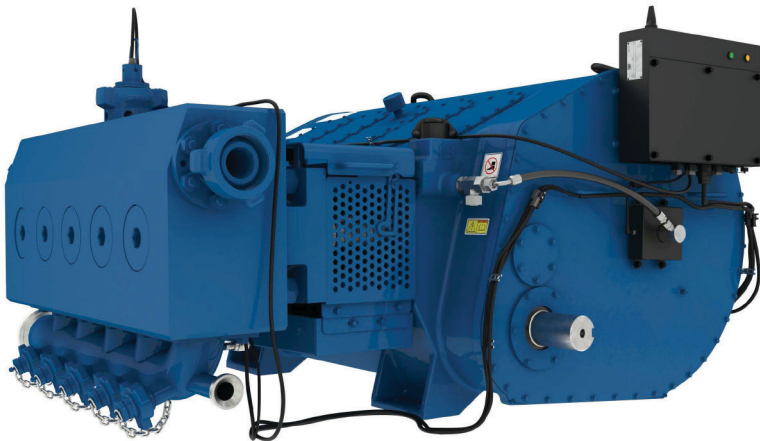


# SPM™ WS335 XE Pump

Built for maximum dependability and minimal maintenance

# SPM™ Oil & Gas

A Caterpillar Company



### Monoframe design brings maximum reliability

With innovative single-piece cast frame construction and ruggedly engineered components, the SPM™ WS335 XE pump is built for maximum reliability, safety and structural integrity. Its unique monoframe design eliminates welds, dramatically reducing risk of failure and nonproductive time compared to conventional welded designs.

### Redesigned core components

An optimized lubrication system features an integrated relief valve and on-board pressure regulation and filtration—for consistent oil pressure across critical components. A redesigned gear set, including larger pinion bearings, partial-groove journal bearings and an enhanced bull and pinion gear train, feature state-of-the-art design and manufacturing for longer-lasting performance.

### Optimized for efficient stimulation operations

Its smaller footprint helps meet ESG requirements while delivering upgraded pumping performance in a wide range of environments. Additionally, ergonomically designed access points simplify inspection and maintenance on the field.

The SPM™ WS335 XE pump is designed for easy, drop-in installation—simply land the pump and reroute hoses. In most cases, it can be mounted in the same location as the previous pump and requires no additional trailer modifications.

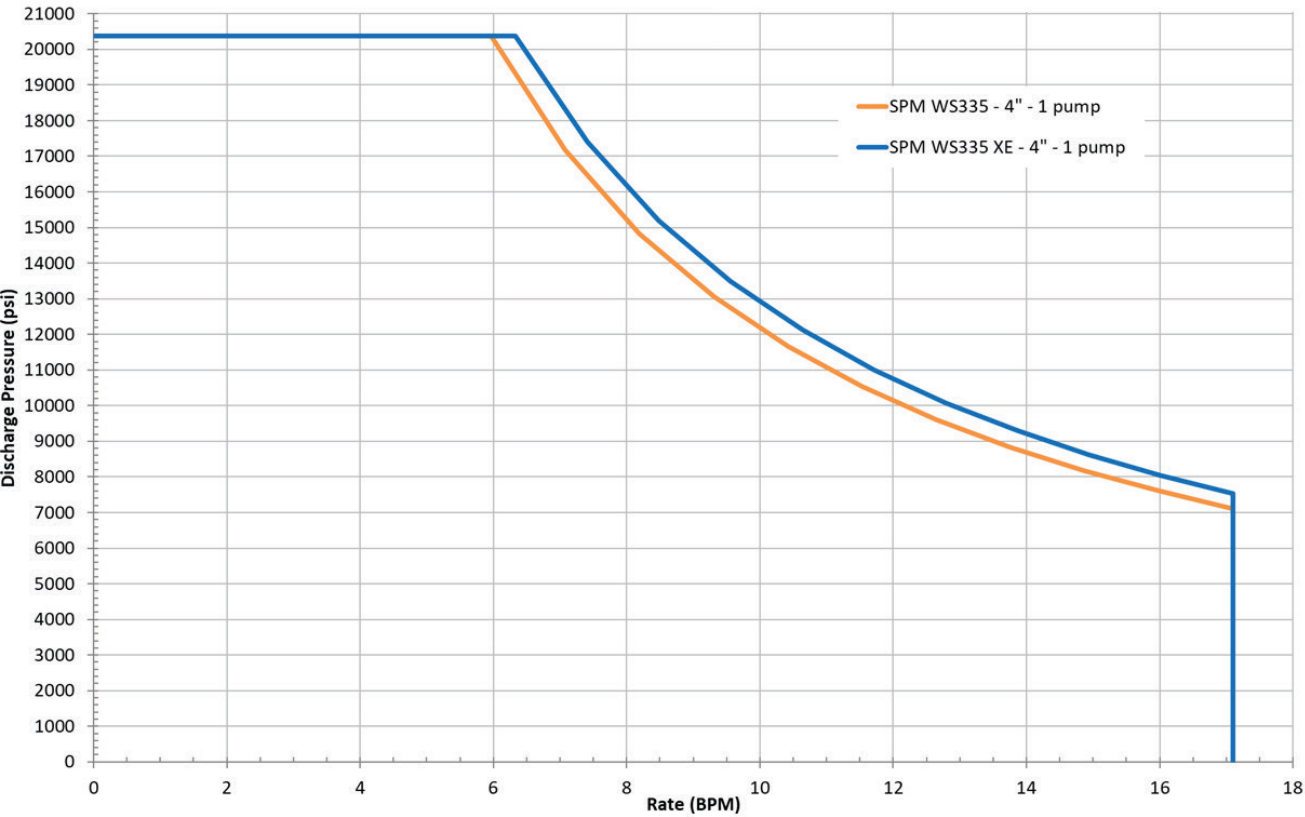
### Specifications

Max Input .....	3,300 bhp
Max Speed .....	330 rpm
Gear Ratio .....	6.353:1
Plungers .....	Five
Bore Centers .....	10"
Stroke Length .....	8"
Rod Load .....	256,000 lbf
Frame Type .....	One-piece cast
Pump Weight .....	18,974 lbm

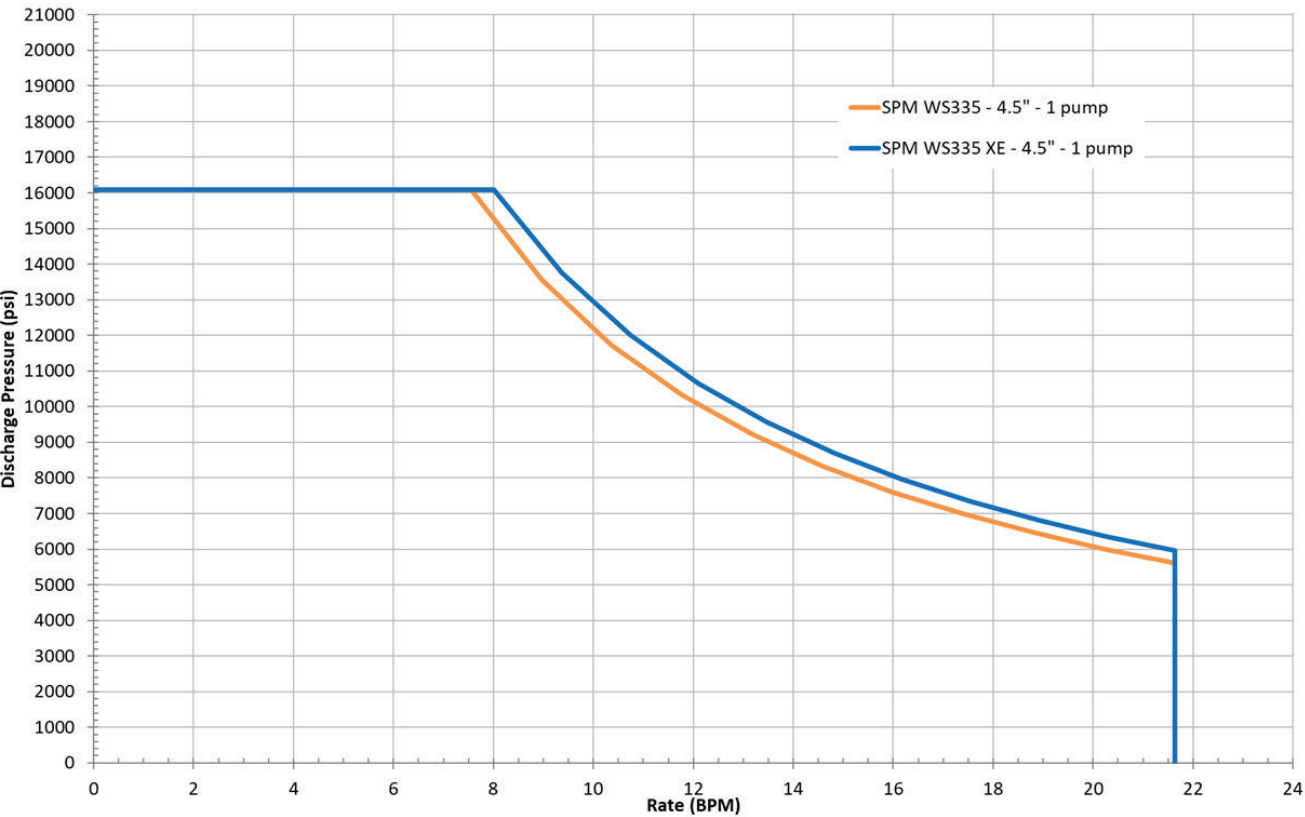
### Features and Benefits

- Single-piece cast frame improves structural integrity and mitigates common frame failure modes
- Two-piece stay rod design lowers cyclic loading and fatigue stress
- Forged bull gears and crankshaft increase run life and reliability
- Optimized on-board oil system avoids lubrication-induced failures
- Ergonomic design and improved access points improve serviceability
- SPM™ Everbore™ hardened steel packing bore eliminates the threat of washboarding
- Standardized fluid end components maximize parts interchangeability and operational flexibility
- Optional on-board Pump Electronic Monitoring System (PEMS) helps minimize downtime, preserve equipment and reduce risk of catastrophic failures

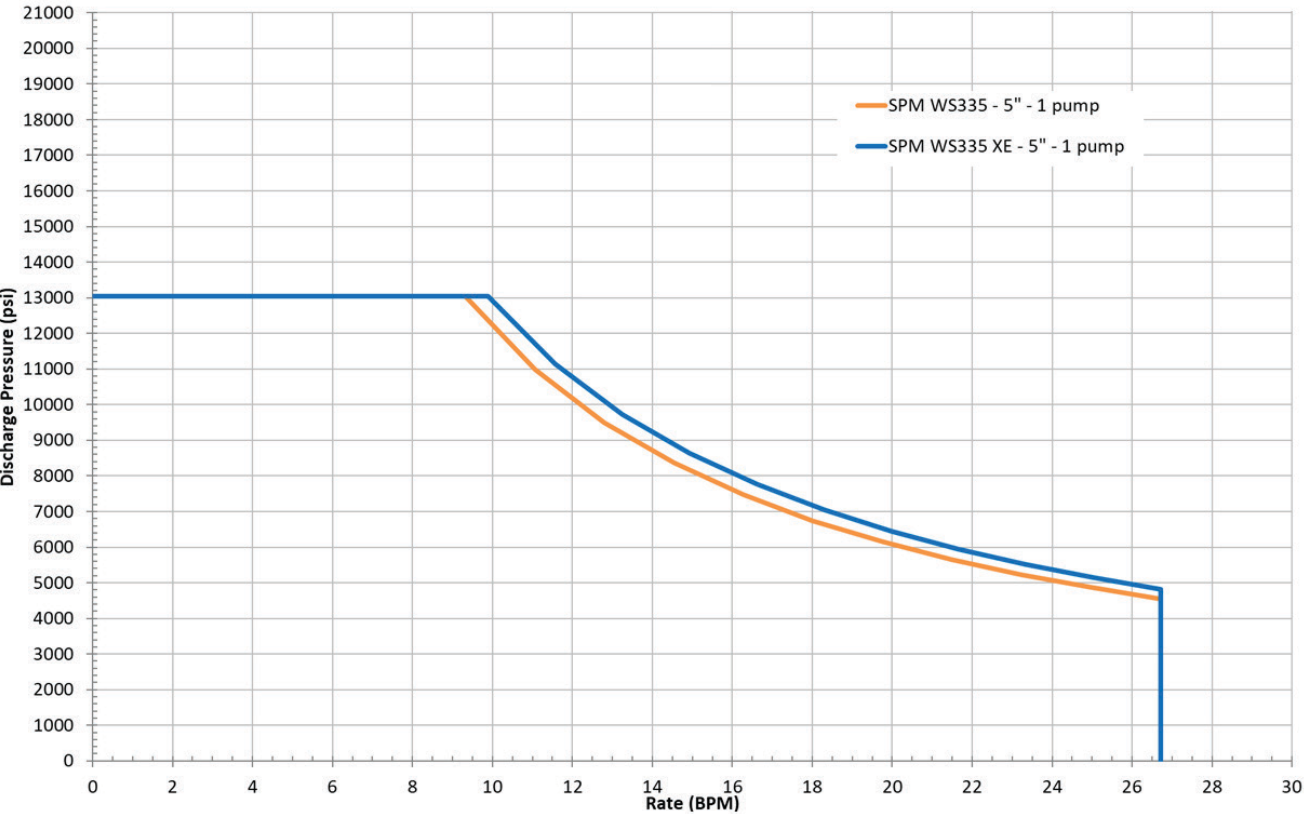
Pump Curve 4 inch Plunger



Pump Curve 4.5 inch Plunger



Pump Curve 5 inch Plunger



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