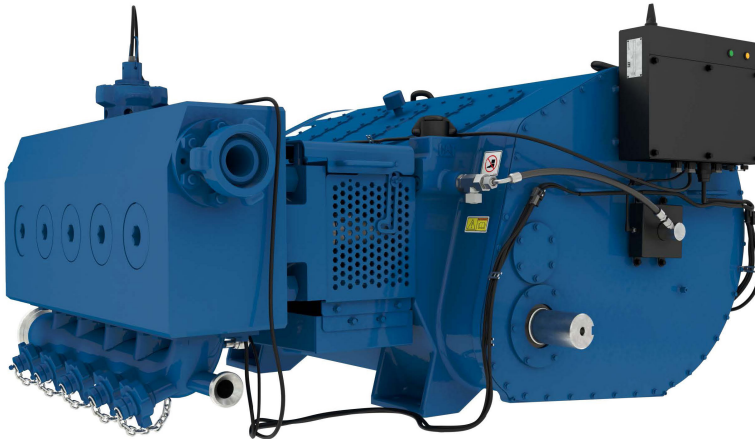


# SPM™ WS335 Pump

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 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 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.

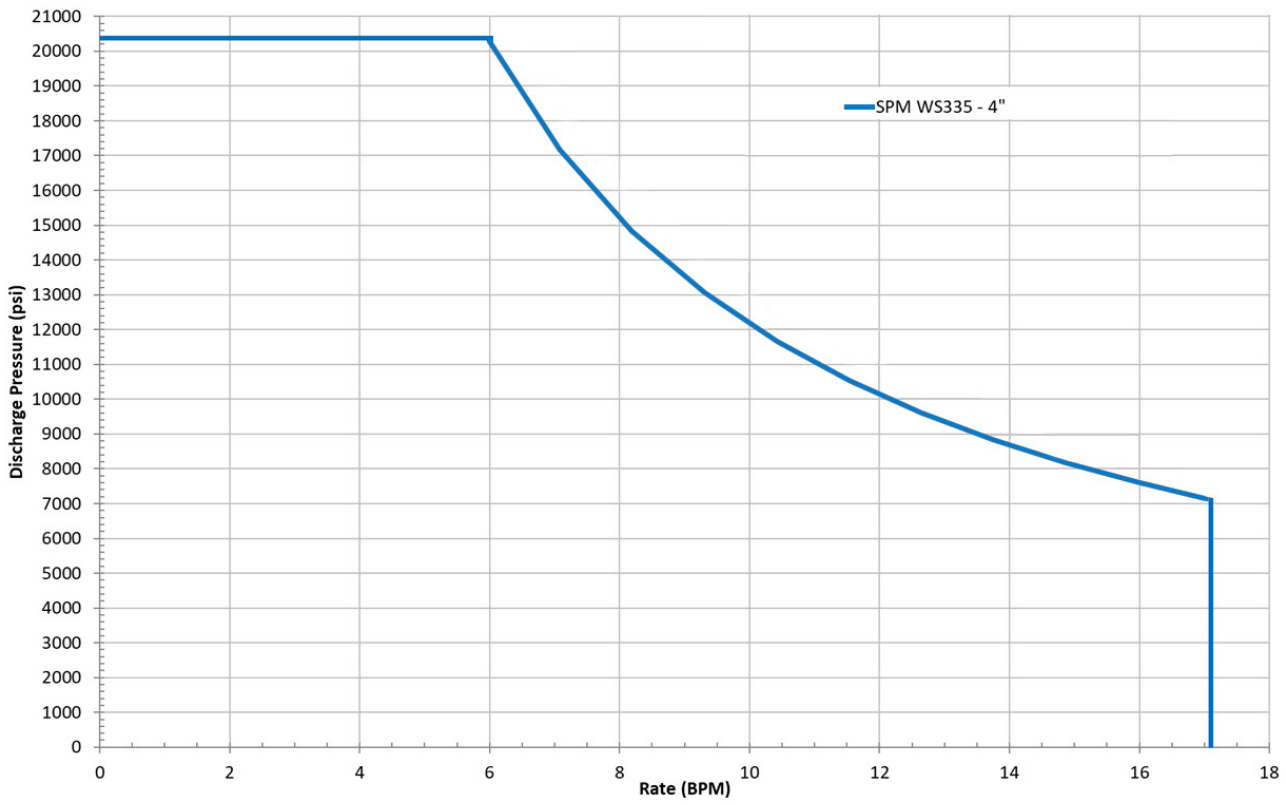
### Specifications

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

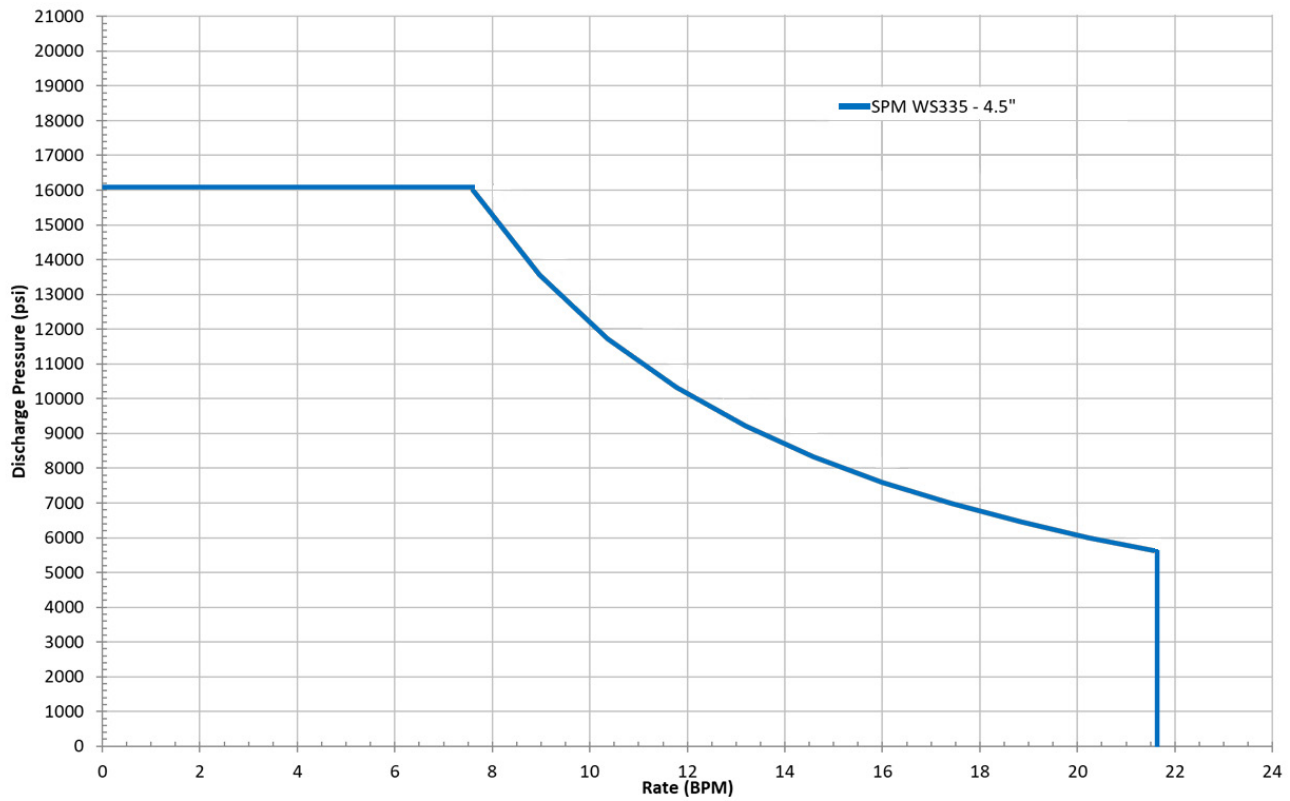
### Features and Benefits

- 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

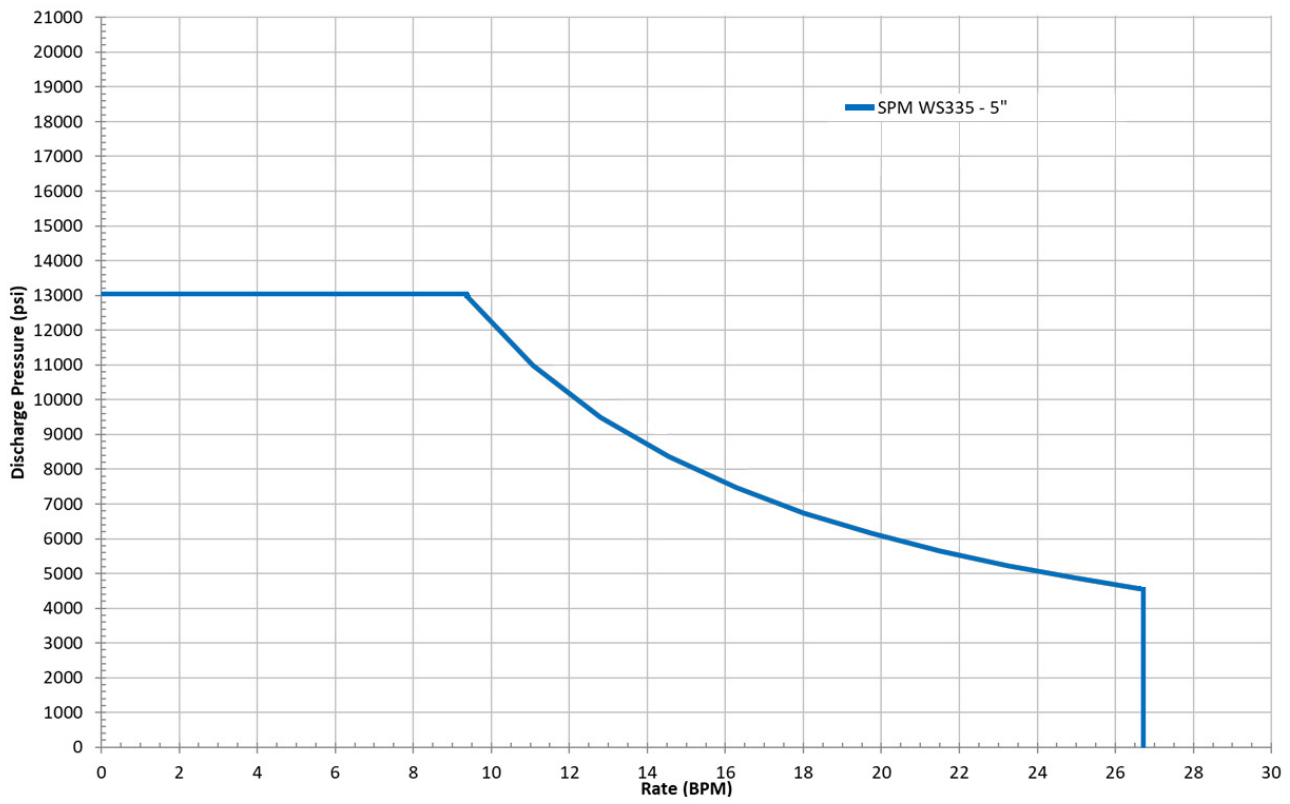
### Pump Curve 4 inch Plunger



### Pump Curve 4.5 inch Plunger



## Pump Curve 5 inch Plunger



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