

JD18

522 – 676 kW (700 – 907 hp)



JOHN DEERE

Product highlights

John Deere power range extended

New to the John Deere line up, the JD18 extends the rated power range to 522 – 676 kW (700 – 907 hp). The engine features a rear gear train, which produces excellent direct power and options up to two rear aux drives for a total of 902 Nm (665 lb-ft) max torque providing quiet operation.

Uptime focused controls

The improved John Deere controls offer better diagnostic capabilities, enabling future prognostics, and the ability to target the source of engine performance issues.

Designed for extreme durability

The JD18 features a bedplate design, providing structural benefits for extreme durability, and is built for 20,000 hours of operation with the ability to be re-built two times.

Serviceability and repairability

The JD18 engine was designed with the ease of service and repair in mind, with Hydraulic Lash Adjustment (HLAs), which offers a maintenance free valvetrain, eliminating the need to reset lash.

Fluid management

The JD18 features new combustion technology, which allows John Deere to offer an engine in the 522 – 676 kW (700 – 907 hp) power range without aftertreatment. Without the need for DEF, the customer has one less fluid to manage. The high-pressure common-rail fuel system allows the engine to deliver optimized fluid consumption. And the Diamond Like Coating (DLC) improves bio-Diesel compatibility and system robustness.



Reliability through innovation

The new combustion technology offers a simplified air system, with fixed and wastegate turbos, allowing the engine to meet emissions requirements without applying aftertreatment. This feature provides a simplified engine integration and package size.

Auxiliary power

The engine features a rear gear train, which produces excellent direct power and options up to two rear aux drives for a total of 902 Nm (665 lb-ft) max torque providing quiet operation.

**Specifications are subject to change. Dimensions may vary based on options selected.
Contact your John Deere engine distributor or dealer for more information**

JD18

Performance data	
Rated power	522– 676 kW (700 – 907 hp)
Rated speed	1900 rpm
Peak torque	4250 Nm (3135 lb-ft) @ 1400 rpm
Low idle	800 rpm
Offlevel capability	35° / 45°
Service interval	750 hours

General data	
Type	6 cylinders, in-line, 4-stroke, water-cooled
Bore & stroke	148 x 174 mm (5.8 x 6.8 in)
Fuel system	Electronic (HPCR)
Aspiration	Turbocharged, Air-to-air-aftercooled
Turbo	Series turbochargers (FGT + WGT)
EGR	cEGR (external)
Dimensions (LxWxH)	1750 x 920 x 1507 mm (69 x 36 x 59 in)
Weight	2119 kg (4672 lb)
Emission level	EU Stage V / EPA Final Tier 4
Aftertreatment	None

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