

# JD18

522 – 677 kW (700 – 908 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*

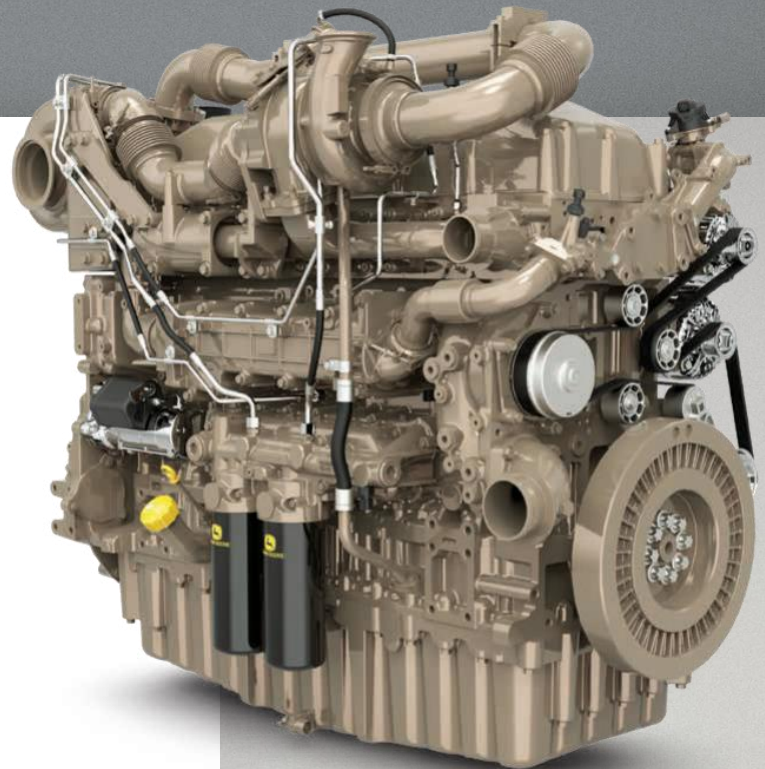
The JD18 features a bedplate design, providing structural benefits for extreme durability, and is built for 20,000 hours of operation with the ability to be re-built two times.

### *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– 677 kW (700 – 908 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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