

JD9 Engine

205 – 343 kW (275 – 460 hp)



JOHN DEERE

Powerful integration

Built on a solid foundation.

The new **JD9 engine** expands on the proven performance of the existing John Deere PSS 9.0L engine, offering uncompromising reliability and power while streamlining complexity and installation costs.

More power.

The JD9 expands our 9.0L lineup by stretching the **maximum power output up to 343 kW (460 hp)** and peak torque up to 1883 Nm (1389 lb-ft).

Value choices.

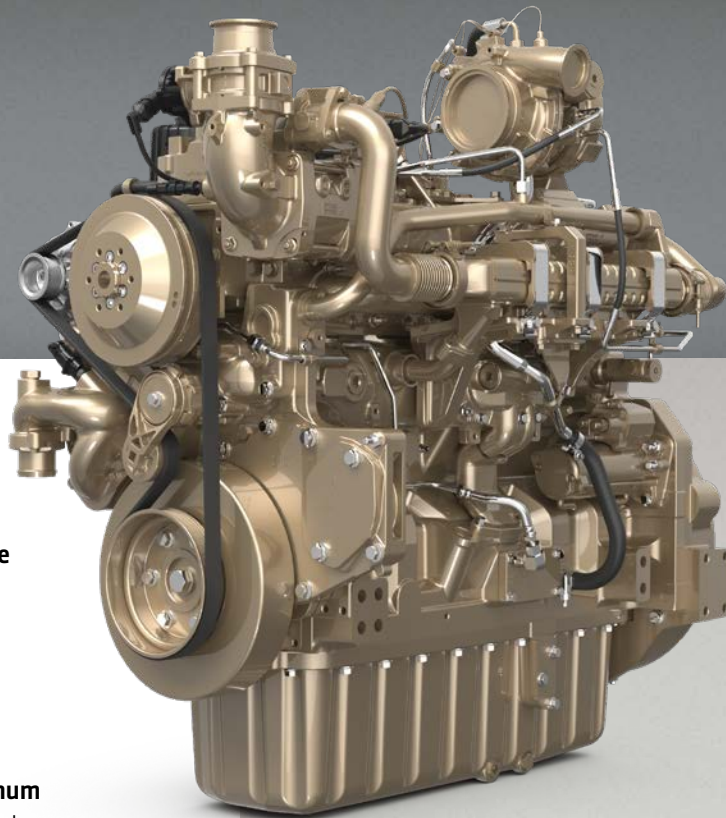
Single- and dual-turbo configurations provide users with versatility to meet specific needs. The new single-turbo option improves integration and packaging for a cost-effective power solution.

Enhanced reliability.

The engine's **simplified in-line aftertreatment system** reduces connection points and streamlines integration. By eliminating and reducing various ATD sensors and parts, the JD9 provides greater reliability. Model-based controls also allow for improved fuel consumption and transient response. The JD9 is **compatible with renewable diesel fuel and biodiesel blends**.

Connected uptime.

The JD9 engine comes equipped with John Deere Connected Support™ technology. There are no subscription fees or ongoing expenses. With your approval, this **proactive monitoring system** allows technicians to remotely diagnose issues to help keep your machines running strong.



Simplified aftertreatment.

The JD9 is compliant with U.S. EPA Final Tier 4, CARB, and EU Stage V emissions regulations. It features a durable in-line aftertreatment system with **fewer connection points** than the previous generation for ease of application integration.



JD9P		JD9X
Engine model	6090HI550	6090CI551
General data		
Type	6-cylinder, In-line, 4-valve, 4-stroke diesel, Water-cooled	
Displacement	9.0L	
Fuel system	Electronic high-pressure common-rail (HPCR)	
Aspiration	Turbocharged, Air-to-air aftercooled	
Turbocharger	Variable geometry (VGT)	Series (fixed, VGT)
Performance		
Rated power	205 – 280 kW (275 – 375 hp) @ 2000 rpm	280 – 343 kW (375 – 460 hp) @ 2000 rpm
Peak torque	1310 – 1600 Nm (966 – 1180 lb-ft) @ 1600 rpm	1722 – 1883 Nm (1270 – 1389 lb-ft) @ 1600 rpm
Low idle	800 rpm	
Off-level capability	35° Continuous/45° Intermittent	
Service interval	Up to 500 hours	
Emissions technology		
Certification	EPA Final Tier 4/EU Stage V	
EGR	External cooled exhaust gas recirculation (EGR)	
Aftertreatment	In-line DOC/DPF/SCR - Size 4	In-line DOC/DPF/SCR - Size 5
Specifications		
Dimensions (L* x W x H)	1282 x 795 x 1208 mm (50 x 31 x 48 in)	1315 x 763 x 1194 mm (52 x 30 x 47 in)
Weight	998 kg (2200 lb)	1055 kg (2326 lb)

Preliminary information. *Engine length without fan drive.
Specifications are subject to change. Dimensions may vary based on options selected.

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