

JD4 Engine

63 – 120 kW (84 – 161 hp)



JOHN DEERE

Up and coming

Engine performance.

New to the John Deere engine lineup, the JD4 provides up to 120 kW (161 hp) of power. It features a rear gear train that provides customers with **low noise and higher PTO power**. The engine also has an extended single turbo range and provides 700 Nm (494 lb-ft) of maximum torque for improved high-load capacity and productivity.

Reliability and uptime.

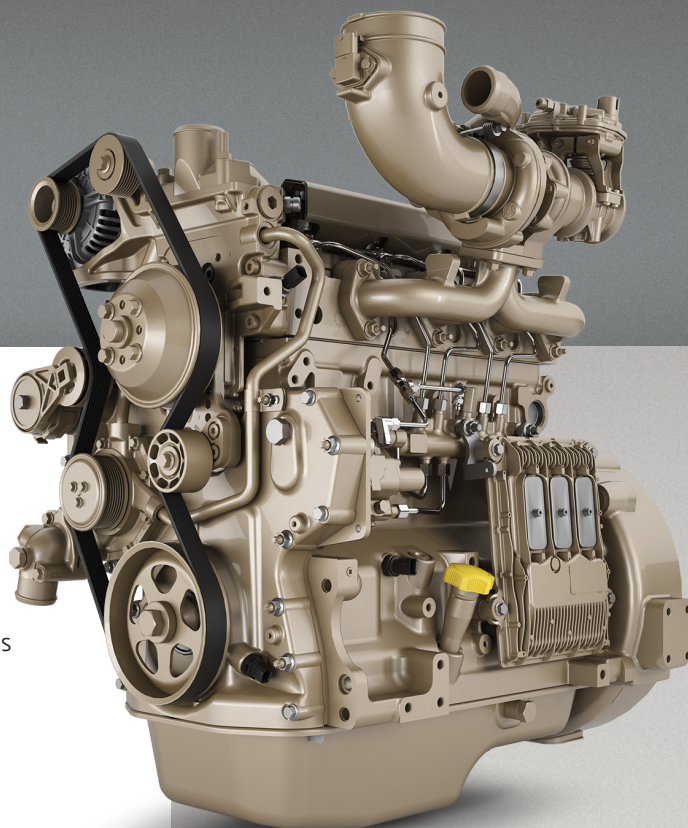
The JD4 offers a more reliable diesel exhaust fluid (DEF) delivery system. The engine also features **extended fluid service intervals of 750 hours (1,000 hours possible)** reducing maintenance costs for customers. Hydraulic lash adjusters decrease valve wear and eliminate valve lash maintenance.

Increased auxiliary power.

The JD4 engine offers up to two auxiliary drive pads, providing **three times more available auxiliary power**. This additional power allows flexibility and enables off-boarding for electrification and hybrid applications.

Worldwide emissions.

The JD4 will be **compatible with EU Stage IIIA – Stage V emissions** levels through common interfaces. The engine is low-NOx ready with planned external cooled exhaust gas recirculation (EGR) and a single overhead cam shaft valvetrain. The JD4 engine is also **compliant with US EPA Final Tier 4 and EU Stage V with no EGR**.



Customer value.

The JD4 offers a **low purchase price and integration cost**, with performance benefits that contribute to overall customer value.

Compact engine package.

The JD4 features a **20-30% reduction in package size** and a more than **100 kg (220 lb) reduction in weight** compared to the John Deere 4.5L single turbo engine. This compact design provides customers with improved visibility and fuel efficiency.

JD4

Performance data	
Rated power	63 – 120 kW (84 – 161 hp)
Rated speed	2200 rpm
Peak torque	700 Nm (516 lb-ft) @ 1300 – 1500 rpm
Low idle	800 – 1000 rpm
Off-level capability	35°/45°
Service interval	750 hours minimum
General data	
Type	4-cylinder, in-line, 2-valve
Bore & stroke	99 x 128 mm (3.9 x 5.0 in)
Fuel system	Electronic high-pressure common-rail (HPCR)
Aspiration	Turbocharged, air-to-air aftercooled
Turbo	Wastegate
EGR	External cooled exhaust gas recirculation (EGR) (Stage III A/Tier 3 only)
Dimensions (L x W x H)	700 x 680 x 810 mm (28 x 27 x 32 in)
Weight	< 460 kg (< 1014 lb)
Emissions level	EU Stage III A – Stage V, EPA Final Tier 4

Preliminary information. Specifications are subject to change.
Dimensions may vary based on options selected.

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