

JD4 Engine

63 – 129 kW (84 – 173 hp)



JOHN DEERE

Up and coming

Engine performance.

New to the John Deere engine lineup, the JD4 provides up to 129 kW (173 hp) of power. It features a rear gear train that offers customers **higher PTO power**. The engine also has an extended single-turbo range and provides 700 Nm (516 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 (HLA) reduce the overall service requirements of the engine by eliminating valve lash maintenance.

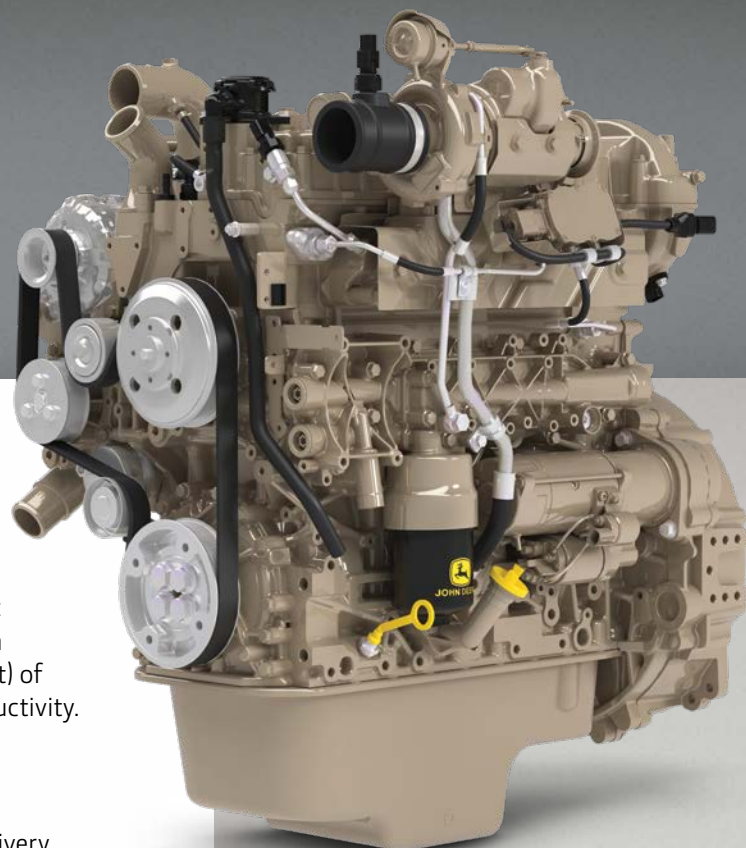
Increased auxiliary power.

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 compatibility.

The JD4 will be **compatible with EU Stage III A – Stage V emissions** levels through common interfaces. The Tier 3/Stage III A engine is low-NOx-ready with external cooled exhaust gas recirculation (EGR). The JD4 engine will also be **compliant with U.S. EPA Final Tier 4 and EU Stage V with no EGR**.

The JD4 can be used with **renewable diesel fuel and biodiesel blends**.



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% to 25% reduction in package size** and a more than **50 kg (110 lb) reduction in weight** compared to the John Deere PWS or PWL 4.5L single-turbo engine. This compact design gives customers improved visibility and fuel efficiency.

| JD4 | |
|------------------------|---|
| Engine model | JD4G |
| General data | |
| Type | 4-cylinder, In-line, 2-valve, 4-stroke diesel, Water-cooled |
| Displacement | 3.9L |
| Fuel system | Electronic high-pressure common-rail (HPCR) |
| Aspiration | Turbocharged, Air-to-air aftercooled |
| Turbocharger | Wastegate (WGT) |
| Performance | |
| Rated power | 63 – 129 kW (84 – 173 hp) @ 2200 rpm |
| Peak torque | 364 – 700 Nm (268 – 516 lb-ft) @ 1300 – 1400 rpm |
| Low idle | 800 – 1000 rpm |
| Off-level capability | 35° Continuous/45° Intermittent |
| Service interval | 750 hours minimum |
| Emissions technology | |
| Certification | EPA Final Tier 4/EU Stage V (Model also available for Tier 3/Stage III A with EGR and no aftertreatment) |
| EGR | None |
| Aftertreatment | DOC/DPF/SCR - Size 2 |
| Specifications | |
| Dimensions (L x W x H) | 823 x 655 x 844 mm (32 x 26 x 33 in) |
| Weight | < 474 kg (< 1045 lb) |

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

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