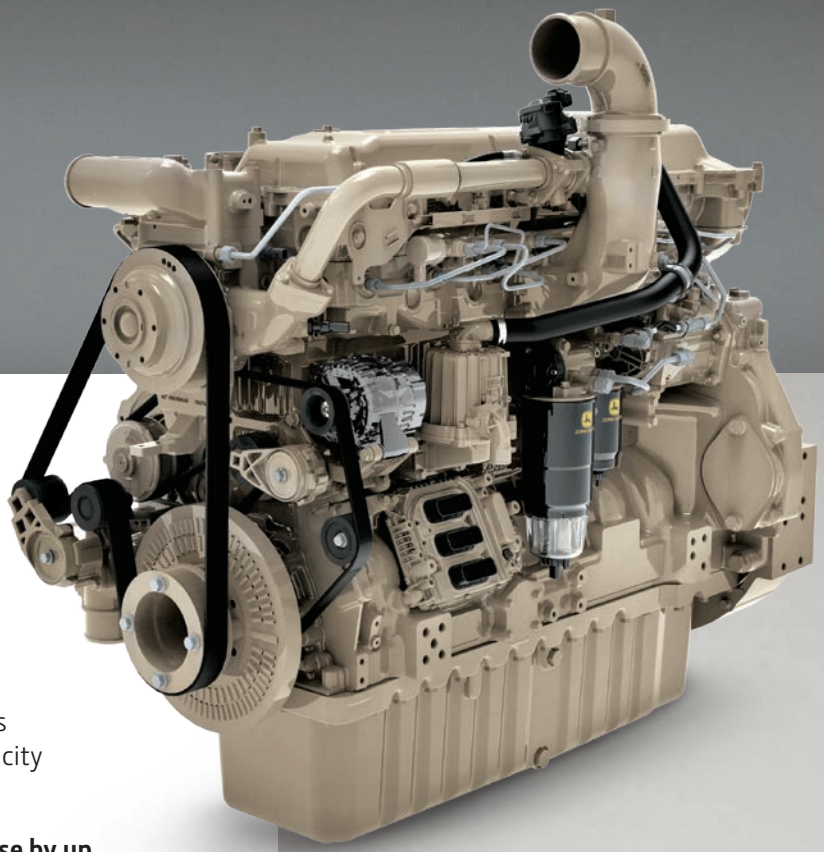
JD14 Engine

300 – 510 kW (402 – 684 hp)

JOHN DEERE

Proven and ready



Solid performance.

The JD14 engine provides more power per liter than 13.5L configurations. With **14% higher power and 11% increased peak torque**, it allows your machines to **work faster, lift more, and operate more efficiently** than ever before. This engine has been shown to increase harvesting capacity by up to 45% on John Deere X Series Combines.

The JD14 features a rear gear train that **reduces noise by up to 3 decibels** compared to the 13.5L engine. That's half as loud, greatly improving operator comfort.

Easy to maintain. Low service costs.

John Deere engineers streamlined common maintenance steps on the JD14 engine. **Hydraulic lash adjusters decrease valve wear** and provide longer engine life while eliminating valve lash maintenance. An **advanced control system analyzes sensor data** to keep operators working without interruption.

Prognostic capabilities are built into the engine to help users identify potential problems and schedule service prior to downtime.

Proven John Deere cooling packages are available with JD14 engines for easy, low-cost integration.

Field proven.

John Deere JD14 engines have been working more than **47,000 hours at high load** in a variety of applications, including John Deere combines and sugar cane harvesters. Likewise, they've demonstrated more than **14,000 hours of torque and lugging power** in tractor operations. So, when you install a John Deere JD14 engine in your application, you can be confident in the performance it delivers.

Many of these operating challenges were even more extreme than typically confronted in the field: repeating **high to low loads** to confirm thermal durability, **block loading** to show strength, and **ultra-low idling** to demonstrate oil pressure capabilities.

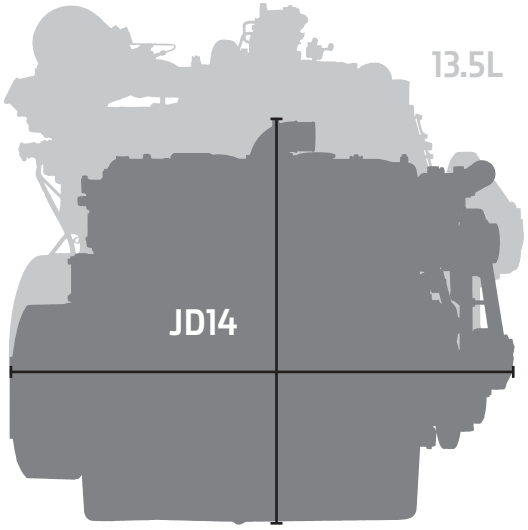
Operational flexibility.

The compact JD14 engine is shorter and narrower to fit in more machines with minimal reconfiguration.

It provides up to **130 kW (174 hp) through forward auxiliary connections** and via an **integrated rear SAE-C PTO**.

It has **common connection points** across different emissions configurations for the U.S. and Europe and is available in **single- and dual-turbo configurations** to maximize packaging flexibility.

Our **durable inline aftertreatment** provides unified packaging to reduce connection points and improve reliability. It is available with a DPF for Stage V applications and with **no DPF for Final Tier 4 applications**.



JD14	
Performance data	
Rated power	300 – 510 kW (402 – 684 hp)
Rated speed	2100 rpm
Peak torque	3050 Nm (2250 lb-ft) @ 1550 rpm
Continuous rating	436 kW (585 hp)
General data	
Type	6-cylinder, in-line, 4-stroke, water-cooled
Bore & stroke	132 x 165 mm (5.2 x 6.5 in)
Fuel system	Electronic high-pressure common-rail (HPCR)
Aspiration	Turbocharged, air-to-air aftercooled
Turbo	Single (fixed) or series (fixed, wastegate)
EGR	External cooled exhaust gas recirculation (EGR)
Dimensions (L* x W x H)	1446 x 890 x 1366 mm (57 x 35 x 54 in)
Weight	1468 kg (3237 lb) single turbo 1521 kg (3353 lb) series turbo
Emissions level	EPA Final Tier 4/EU Stage V

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

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DSWT158 (21-09)

SAFETY. live with it

JohnDeere.com/EngineReliability