

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.

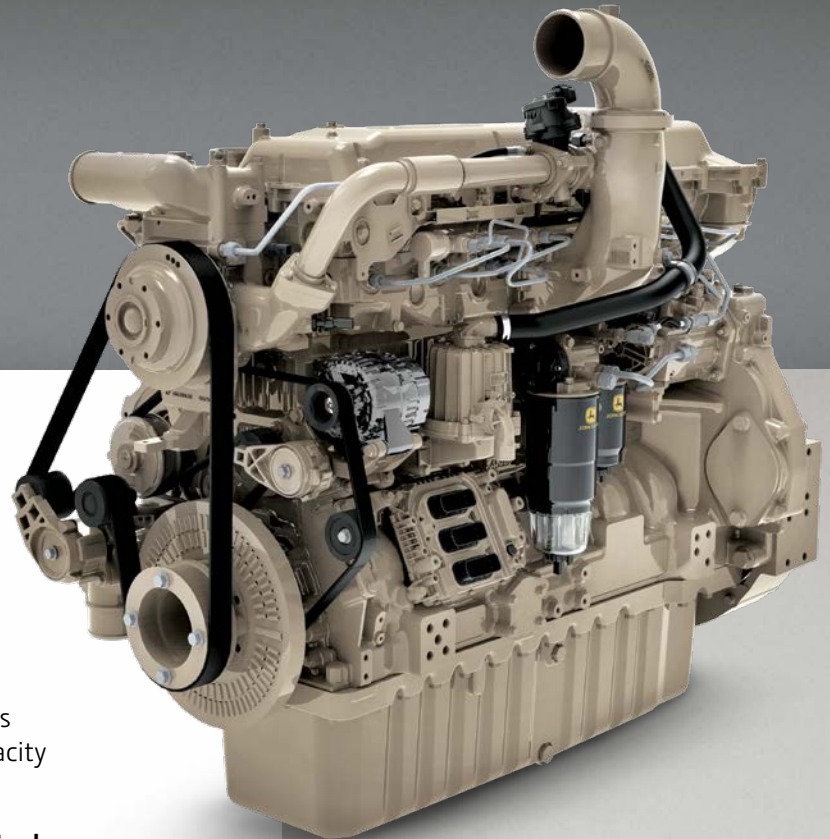
Easy to maintain. Low service costs.

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.

The JD14 is **compatible with renewable diesel fuel and biodiesel blends**.



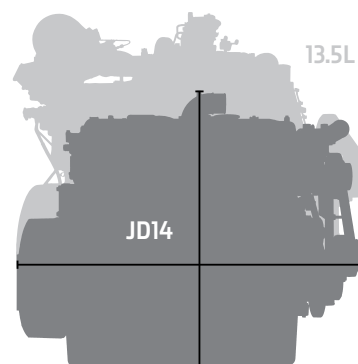
Field proven.

John Deere JD14 engines have been working more than **11 million hours at high load** in a variety of applications. Likewise, they've demonstrated more than **6 million 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. **Durable in-line aftertreatment** provides unified packaging and is available with a DPF for Stage V applications and with **no DPF for Final Tier 4 applications**.



JD14P		JD14X
Engine model	6136HI550	6136CI550
General data		
Type	6-cylinder, In-line, 4-valve, 4-stroke diesel, Water-cooled	
Displacement	13.6L	
Fuel system	Electronic high-pressure common-rail (HPCR)	
Aspiration	Turbocharged, Air-to-air aftercooled	
Turbocharger	Wastegate (WGT)	Series (fixed, wastegate)
Performance		
Rated power	300 – 410 kW (402 – 550 hp) @ 2100 rpm	391 – 510 kW (525 – 684 hp) @ 2100 rpm
Peak torque	1986 – 2510 Nm (1465 – 1851 lb-ft) @ 1550 rpm	2495 – 3050 Nm (1840 – 2250 lb-ft) @ 1550 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 (Models also available for Final Tier 4, Tier 3/Stage III A equivalent, and Non-emissions certified)	
EGR	External cooled exhaust gas recirculation (EGR)	
Aftertreatment	In-line DOC/DPF/SCR - Size 6	In-line DOC/DPF/SCR - Size 7
Specifications		
Dimensions (L* x W x H)	1498 x 890 x 1366 mm (59 x 35 x 54 in)	1498 x 890 x 1367 mm (59 x 35 x 54 in)
Weight	1468 kg (3236 lb)	1521 kg (3353 lb)

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

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