

POWERTECH 8.1L



DEERE
POWER

POWERTECH 8.1 L

3 MODELS FROM 200 TO 300 HP (149-224 kW)

New **POWERTECH 8.1 L** engines from John Deere build on an already outstanding reputation for engine performance by offering increased power, improved fuel economy, reduced oil consumption, reduced noise, improved sound quality, and enhanced reliability and durability.

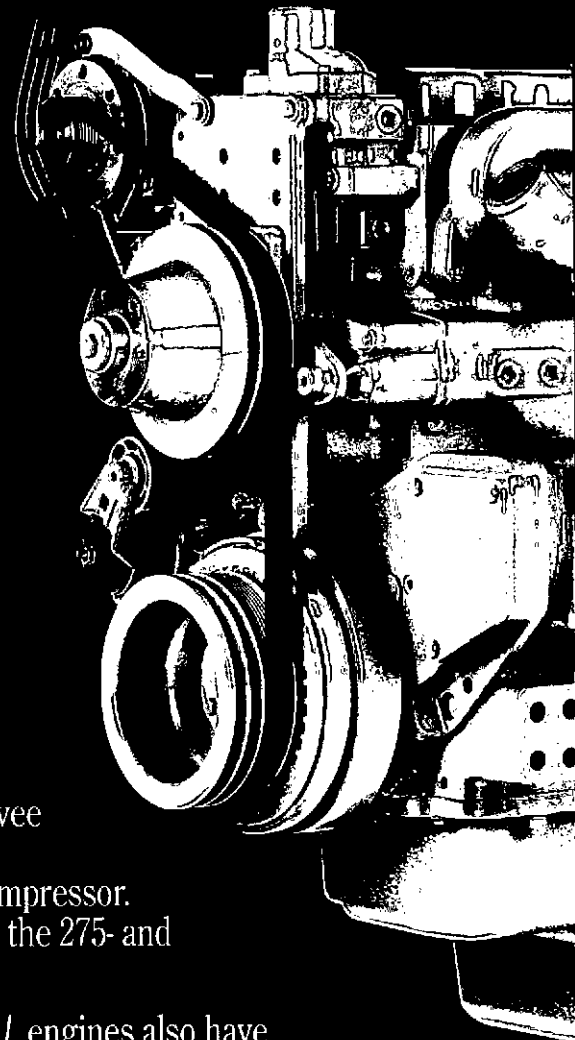
POWER THROUGH TECHNOLOGY

POWERTECH 8.1 L engines feature directed top liner cooling. A full-length coolant manifold distributes coolant equally to all cylinders. This reduces upper liner temperature by as much as 100 degrees Fahrenheit (56° C) and improves upper cylinder component durability and reliability.

Generous internal webbing provides additional rigidity to the lower end of the blocks on **POWERTECH 8.1 L** engines, aiding durability and noise reduction. Hardened, wet sleeve cylinder liners provide a long service life.

Also included are an integrated, high-efficiency water pump, improved accessory mounting, auxiliary drive capability and poly-vee accessory drive. The new auxiliary drive lets you power larger air compressors or hydraulic pumps at the same time as your A/C compressor. A Bosch P7100 fuel injection pump delivers higher power levels to the 275- and 300-hp (205- and 224-kW) models.

The 250-, 275- and 300-hp (187-, 205- and 224-kW) **POWERTECH 8.1 L** engines also have an optional electronically controlled governor. An Electronic Control Unit (ECU) microprocessor monitors engine functions through remote-mounted engine sensors. This advanced electronics gives you improved low end torque and lets you select a pre-programmed power curve for your specific application.



DIESEL ENGINES

LOWER EMISSIONS

All **POWERTECH** engines 80 hp (60 kW) and above, including the 8.1-liter, will meet the applicable U.S. Environmental Protection Agency's (EPA), California's (CARB), and proposed European Union (EU) emission standards for off-road diesel engines.

Long before emission controls for off-road diesels were established, John Deere was making an effort to safeguard the environment. We installed emissions testing equipment and used it to improve emissions output on several of our latest engine series. This kind of forward thinking explains why the newest engines from John Deere are designed to do much more than meet EPA regulations. **POWERTECH** engines are designed to meet future requirements for emissions as well as deliver improved performance, reliability and convenience.

EASY TO APPLY, EASY TO MAINTAIN

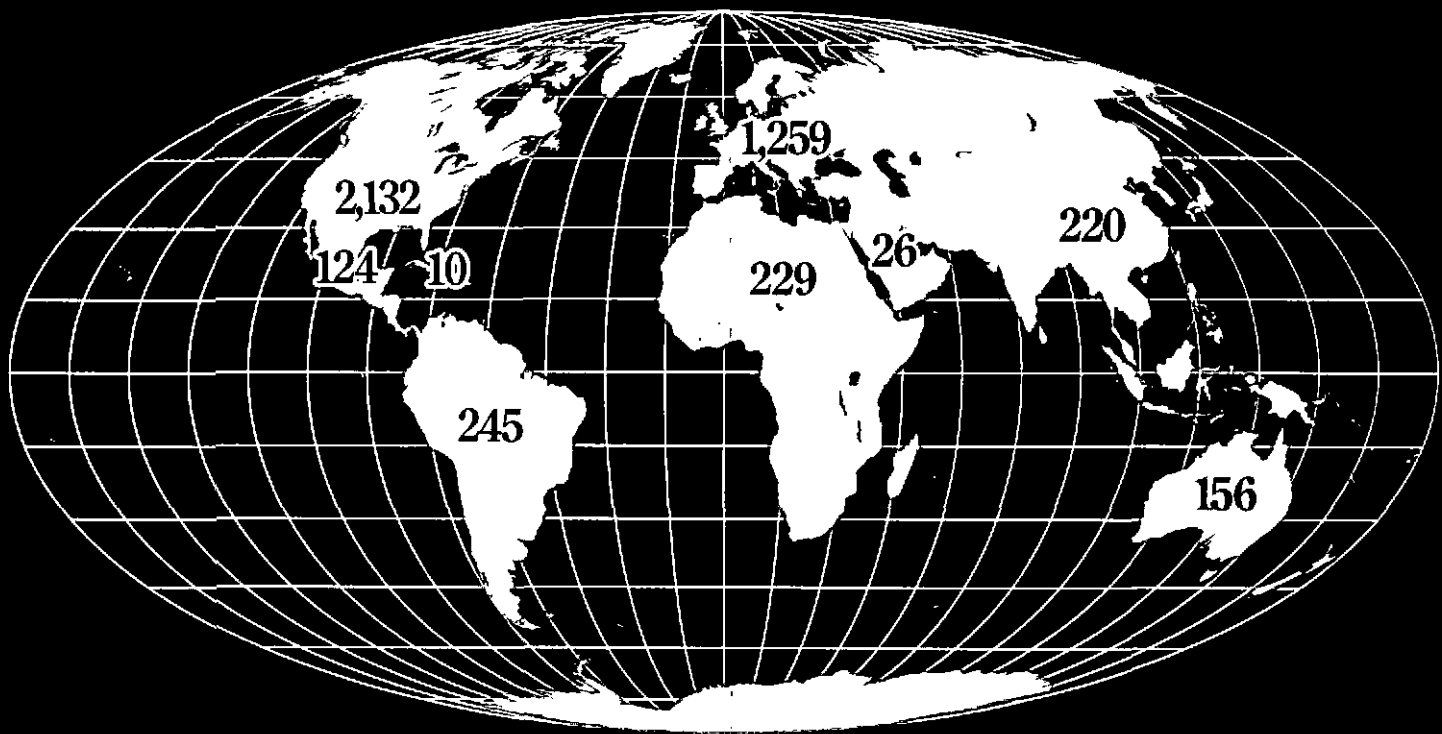
You want engines that fit your application, not the other way around. That's why **POWERTECH 8.1 L** engines retained their current mounting areas. Low-profile turbochargers lower the overall height of the engines, so they're easier to fit in more machines. We also give you a choice of left hand, right hand and top service oil fill and dipstick. Other optional equipment includes an adjustable fan drive with a choice of 4 drive ratios, and a factory- or field-installed auxiliary drive capable of driving air compressors and hydraulic pumps.

8.1 L 6 cylinders

6081T - 200 hp (149 kW)

6081A - 225, 250, 275 hp (168, 187, 205 kW)

6081H - 300 hp (224 kW)



WORLDWIDE ENGINE SUPPORT

POWERTECH is the latest in a long line of engine advancements. Since the first John Deere diesel engine came off the line in 1949, we've manufactured more than 4 million engines. Our engines are distributed worldwide for use in construction and agricultural machinery, air compressors, electrical generator sets, irrigation pumps, marine and many other off-road applications. Every day, John Deere engines go to work in literally thousands of machines around the world.

All of this John Deere engine power is backed by two parts distribution centers, 20 regional parts depots, and thousands of service locations. In total, we have manufacturing, distribution, and service facilities in more than 100 countries.

So when you buy a John Deere engine, you not only get efficient, reliable power, you also get a world of engine support.

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