

# PowerTech 8.1L



**DEERE**  
www.deere.com

# PowerTech 8.1L

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

New **PowerTech 8.1L** 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 overall quality, and enhanced reliability and durability.

### POWER THROUGH TECHNOLOGY

**PowerTech 8.1L** engines feature direct-injection cooling. A full-length coolant manifold distributes coolant equally to all cylinders. This reduces upper heat temperatures by as much as 150 degrees Fahrenheit (100°C) and improves upper-cylinder component durability and reliability.

Overhead internal valving provides additional rigidity to the lower end of the block on **PowerTech 8.1L** engines, adding durability and noise reduction. Hardened, wet sleeve cylinders liners provide a long service life.

Also included are an integrated, high-efficiency water pump, improved accessory mounting, auxiliary-drive capability, and polymer accessory drive. The new auxiliary drive lets you power larger air compressors at half the power of the same size in-crank A/C compressor. A new PTO belt drive pump delivers higher power flows in the 75- and 300hp (55- and 224kW) models.

The 200, 275 and 300hp (149, 200 and 224kW) **PowerTech 8.1L** engines also have an optional electronically controlled governor. In Electronic Control Unit (ECU) mode, your machine's engine functions through remote-mounted engine sensors. This advanced technology gives you improved low-end torque and lets you select a preprogrammed power curve for your specific application.



# DIESEL ENGINES

## LOWER EMISSIONS

All **Pennwalt** engines 40 hp (30 kW) and above, including the **8.8L**, will meet the applicable U.S. Environmental Protection Agency (EPA), California's (CEC), and proposed European Community (E.C.) emissions standards for off-road diesel engines.

Long before emission controls for off-road diesel were established, John Deere was leading in efforts to protect the environment. We installed emission testing equipment and went to improve emission output on several other John Deere engines. This kind of forward thinking explains why the current engines from John Deere are designed to be much more than meet EPA regulations. **Pennwalt** engines are designed to meet future requirements for emissions as well as deliver improved performance, reliability and convenience.

## EASY TO APPLY, EASY TO MAINTAIN

The most engines that fit your application, not the other way around. That's why **Pennwalt 8.8L** engines retained several mounting areas while allowing cover depth and foot access. Large grille surface helps lower the overall height of the engine, so they're easier to fit in most machines. We designed our intake air belt drive, right hand cooling service and belt and fluids. Other optional equipment includes an adjustable fan drive with a choice of 4 drive rates, and a factory or field-installed auxiliary drive capable of driving air compressors and hydraulic pumps.

**8.8L 6 cylinders • 6.0 liter • 1000 cc**

884T - 200 hp (149 kW)

884A - 225, 254, 275 hp (166, 187, 205 kW)

884H - 308 hp (224 kW)



## WORLDWIDE ENGINE SUPPORT

**Presenting** the latest in engine line of engine advancements. Since the first John Deere diesel engine came off the line in 1949, we've continued to add more than 1 million engines. Our engines are distributed worldwide for use in construction and agricultural machines, air compressors, electrical generator sets, irrigation pumps, marine and many other off-road applications. Every day, John Deere engines put-to-work in literally thousands of machines around the world.

And this John Deere engine power is backed by two parts distribution centers, 28 regional parts depots, and more than 1,000 service locations worldwide. 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.

### Deere Power Systems

2501 West Highway, Ames

IA 50010

Phone (515) 271-5000

Fax (515) 271-5000

800 (214) 240-0070

### Deere Power Systems,

John Deere Engine Division

Route de Guez-4-7 / 2

43400 Flacey les Arbois-France

Phone (33) 3 843 41 31

Fax (33) 3 84 41 32

### John Deere International

Global

450 19th Street

Itasca, MN 55080-1000

Phone (763) 944-2300

Fax (763) 944-2197