Perkins®

THE HEART OF EVERY GREAT MACHINE

Perkins in Curitiba, Brazil

Brazil is one of the largest countries in the world in terms of territory, population and gross domestic product (GDP), and is the dominant market for off-highway diesel engines in South America, accounting for about 70 percent of engines sold on the continent.

Curitiba, capital of the country's southern Paraná province is a city of 1.8 million with the fourth largest economy in the country and excellent transport links throughout the continent.

Perkins is committed to serving the Brazil market, and at our award winning Curitiba plant, we manufacture the 1100 Series range. These engines have been selected by the leading names in the agriculture, construction, material handling and electric power sectors in Brazil and for export across South America and to other lesser regulated territories.

We also manufacture the latest 7.01 litre, 6 cylinder mechanical and electronic engines, offering Original Equipment Manufacturers (OEMs) the potential for increased power from a smaller displacement.

In addition, Perkins® 2000 Series engines are dressed at the facility, allowing us to provide customers with easy access to more than 30 different models, which are ideally suited to the local market.

Engines are produced using the Caterpillar Production System (CPS) established in all Perkins manufacturing operations, ensuring the same efficient processes and stringent quality controls are implemented at every global facility. Production processes feature state-of-the-art computerised and robotic technology for machining, assembly, test and paint.

> "We are proud of the awards we have won at Curitiba but the satisfaction of our customers is the real measure of what we are achieving here."
>
> *Rodrigo Chibior, Curitiba facility manager*

Perkins Curitiba facts

- 9.1 acres (36,826m²)
- Capacity up to 80,000 units a year
- Named as 'one of the top places to work in Brazil' by The Great Place to Work Institute

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1100 Series

From the 3 cylinder 1103 range to the 6 cylinder 1106 range, this is a series of engines that gives unparalleled performance. The engines have exceptional reliability and low cost of ownership. Their trusted performance is borne out of thousands of hours of validation in the real world, working with agricultural, construction and electric power providers who value our reputation and expertise.

Electric power engines in the series achieve regulated and unregulated emission standards globally. Within the 1100 Series of industrial engines are mechanical and electronic units up to EU Stage IIIA/U.S. EPA Tier 3 equivalent emissions standards.

3 cylinder	The 3 cylinder, 3.3 litre engines deliver 36.9-58 kW (49.5-77.8 hp) of power and offers exceptional reliability with a low cost of ownership, compact size and flexibility that makes upgrading your engine easy. Particularly suitable for tractors and compact industrial applications, they meet Stage II/IIIA and Tier 2/3 equivalent emissions standards.
4 cylinder	The 4.4 litre engines are smooth and quiet in operation with a power band of 50-106 kW (67-142 hp) and are the ideal solution for a wide range of applications, including excavators, trenchers, backhoe loaders, rollers, rock drills, tractors, wheeled loaders, forest machines, telehandlers, forklift trucks and motor graders. Engines in the range are designed for unregulated territories and to meet Stage II/IIIA and Tier 2/Tier 3 equivalent emissions standards.
6 cylinder	The 1106 range delivers the power you need for earth moving and construction all the way through to agricultural use and warehousing. The engines have been specifically designed for use in territories with Stage II/IIIA and Tier 2/3 equivalent emissions standards with an impressive power band of 112-205 kW (150-275 hp).

“Our Curitiba team is highly trained, and focused on what’s best for the customer - a local team, but part of a globally consistent manufacturing network.”

Vanda Camargo, Brazil general sales manager

We manufacture our engines locally, lead times are kept to a minimum. You get your new Perkins engine direct from the factory in the fastest possible time.

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