Perkins®

THE HEART OF EVERY GREAT MACHINE

Perkins in Peterborough, UK

Our manufacturing facility in Peterborough, UK produces the compact 400 Series, the popular 1100 Series and the fuel-efficient 1200 Series range of engines. The latest edition to the range, the Perkins® Syncro 2.8 and 3.6 litre engines were designed by the Peterborough engineering team and will be manufactured alongside the 1.7 and 2.2 litre engines at the facility meeting the latest emissons standards.

Peterborough is a city in the east of England with a population of around 186,000. Good transport links were one reason why Perkins was established there, and the city still enjoys excellent connections with London – just 45 minutes away by rail – and the container port of Felixstowe.

Employing approximately 2,500 people, the facility has the capacity to manufacture up to 420,000 engines a year in a 125,000 square metre factory containing the latest automated and computer-controlled equipment.

Perkins Peterborough facts

- 128.16 acres (51,864m²)
- Capacity up to 420,000 engines per annum
- Perkins began at Peterborough more than 85 years ago

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.

The facility is also the base for worldwide research and development of engines up to 7.1 litre, with 20 test cells in the Europe Research and Design Centre (ERDC). Highly skilled researchers and development engineers work on designs that will meet the challenges of the future - engines that are more efficient and will meet future emissions standards.

Our corporate social responsibility contributions are also an important part of who we are – a responsible manufacturing company that wants to play a part in protecting the environment and in supporting the communities where our employees work and live.

> “At Peterborough, we’re producing the engines to meet today’s challenges, and preparing for tomorrow’s - all with our customers’ in mind.”

Rob Walker, Peterborough facility manager

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400 Series

The 400 Series industrial engines in the 0.5-2.2 litre range are designed to give you optimised performance and robust technology for small off-highway applications with a seamless power range of 8.2-55 kW (11-74 hp) in 2, 3 and 4 cylinder models.

Electric power engines in the Series achieve regulated and unregulated emissions standards globally and provide compact power and reliable performance. They're designed to provide cost effective and reliable operation for prime and standby duties, hitting the key power nodes to satisfy your power generation needs.

Perkins® Syncro

Tailor made for compact machines, the Perkins® Syncro range of 1.7, 2.2, 2.8 and 3.6 litre engines have been engineered to integrate perfectly with your machine design and deliver the right value and performance to support your business growth.

Delivering from 29-100 kW (39-134 hp) of power, the 1.7, 2.2, 2.8 and 3.6 litre engines are engineered to fit your business strategy. They're designed to meet global emissions standards, from unregulated to EU Stage IIIB/U.S. EPA Tier 4 Final and Stage V-capable*. This allows for sales into countries with the highest global emissions standards.

1100 Series

From the 3 cylinder 1103 range to the 6 cylinder 1106 range, this is a Series of engines that gives unparalleled performance with a power band of 36.9-205 kW (49.5-275 hp). The engines have exceptional reliability and low cost of ownership and have all the features and benefits to meet your needs. Within the 1100 Series of industrial engines are mechanical and electronic units up to Stage IIIA/Tier 3 equivalent emissions standards.

Engines in the electric power range give 30-250 kVA (24-200 kWe) generator output and achieve regulated and unregulated emissions standards globally. When you need a compact design for medium-sized power generation, you will find the 1100 Series has an engine that's right for you.

1200 Series

The 4.4 litre, 4 cylinder and 7.1 litre, 6 cylinder industrial and electric power engines gives you a complete power solution that meets Stage IV/Tier 4 Final emissions standards and are Stage V-capable*. Industrial engines offer an impressive power range of 70-240 kW (94-320 hp). The choice of options, engine configurations and robust technology allows you to integrate the 1200 Series into your equipment with minimum re-engineering.

Electric power engines deliver 113.6-250 kVA (90.9-200 kWe) hitting the key power nodes and delivering industry leading prime and standby power when you need it. From hospitals to hotels, icy wastelands to scorching deserts, construction sites to factories – our engines provide the reliability, low operating costs and exceptional performance.

*as proposed Stage V emissions standards

> We bring local knowledge and local commitment wherever you are.
>
> *Sylvia Burwood, regional marketing manager, EAME*

We work closely with our customers to ensure what we design fits with what they need to drive their businesses into the future.

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