

POWER FOR OFF-ROAD APPLICATIONS

Innovative 5 to 16 litre engines

**VOLVO
PENTA**



Technical quality, reliability and worldwide support are major reasons why builders of equipment and vehicles choose Volvo Penta power. As a part of the Volvo Group, one of the world's largest diesel engine manufacturers, Volvo Penta has extensive resources for production and continuous development of diesel power systems.

MOVING YOUR BUSINESS FORWARD

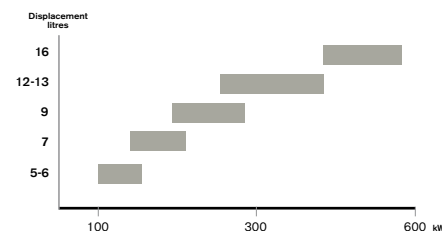
IMPRESSIVE SUPPORT AND VERSATILITY

With new tougher emission standards soon to be in force, installation support has never been more necessary! It ensures that your machine not only meets the approved standards, but performs at its optimum efficiency over its entire lifetime. Within the displacement range 5 to 16 litres, developing 100 - 565 kW and with the support of a strong global application team, Volvo Penta can provide the total power solution for all your off-road needs.

Today's range includes completely new engines as well as new versions of existing engines, all featuring advanced electronic management with enhanced performance.

Power wherever you need it

Volvo Penta has developed state-of-the-art, high power density engines. Utilising the latest advances in finite stress analysis and material selection, combined with innovative design methods, Volvo Penta has developed engines with high outputs without sacrificing reliability or service life. Their compact size is good for the OEM, since less installation space is required and good for the operator as it facilitates service access.





Four-valve technology and vertically mounted, centrally located unit injectors, working at pressures up to 2000 bars, significantly improve fuel delivery characteristics, giving enhanced power and emission performance.



With the handheld VODIA diagnosis and service tool, engine settings and configurations are easily changed with just a few taps on the screen.

Optimised fuel efficiency

Through careful management of the combustion process, involving precise control of air movement and injection spray patterns, Volvo Penta has been able to achieve higher levels of efficiency than ever before. This has resulted in improved fuel economy and reduced exhaust emission levels that comply with current requirements and which will enable the engines to satisfy future legislation.

Customer application engineering

Long experience and technical expertise enables our application engineers to meet increasingly diverse customer demands and stringent governmental regulations in a broad range of applications. From development and prototyping, all the way to serial installation and support, Volvo Penta guarantees quality and efficiency.



PARTS, SERVICE & SUPPORT

Qualified and skilled Volvo Penta dealers in more than 100 countries offer comprehensive service and support. Through repairs, training and special parts supply, we make sure our customers get the most out of their investments.

Rigorously tested and providing the correct performance and fit, Genuine Volvo Penta Parts deliver long and dependable service life. In order to facilitate installation and speed up service operations, the same maintenance parts fit several engine models.

In Europe and the USA, Volvo Action Service provides emergency assistance 24 hours a day, all the year round.



16 LITRE ENGINES

At the top of the range, the latest and most powerful 16 litre engines deliver massive performance with outputs up to 565 kW.

- **Compact dimensions giving high power-to-size ratio.**
- **High level and flat torque curve giving fast response to throttle opening.**
- **Low emissions - Stage 3B/Tier 4i compliant.**
- **Total electronic control, easily integrated in vehicle system.**
- **Manufactured by Volvo - one of the world's largest manufacturers of diesel engines.**



THE VOLVO PENTA GREEN COMMITMENT

Together with safety and quality, the environment is one of Volvo's core values. "The Volvo Penta Green Commitment" is the comprehensive theme for all our efforts in the following areas:

- Design guidelines and methods.
- Development of diesel engines that can operate on future renewable fuels.
- Ultramodern engines that combine higher performance with emission compliance – well in advance of new regulations.
- Dealer operating standards to reduce environmental impact.
- Improvement of fuel consumption and reduction of environmental footprint.
- Research and development of hybrid solutions to significantly reduce emissions.
- Cooperation with OEM in drive-cycle analysis to optimize fuel consumption.
- Continued advances in combustion technology that dramatically reduces emissions.

This document is not contractual. In a constant effort to improve the quality of its products, Volvo Penta reserves the right to modify any of the characteristics stated in this form without notice. For specific information on a certain engine model, please ask your dealer or visit our website. All models are not available on all markets. The engines in the pictures may be fitted with extra optional equipment.

5-16 LITRE INDUSTRIAL RANGE

5 and 6 litre series



7 litre series



9 litre series



12 and 13 litre series



16 litre series



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