

A night photograph of a suspension bridge, likely the Manhattan Bridge, with its lights reflecting on the water. The city skyline is visible in the background under a dark blue sky.

DIESEL POWER FOR ELECTRICAL GENERATION

Low cost of ownership from high efficiency,
maximum uptime and easy installation.

**VOLVO
PENTA**



As a part of the Volvo Group – world-leading developer and manufacturer of heavy-duty diesel engines – Volvo Penta has the financial, technical and geographical resources needed to provide competitive engines and customer support – worldwide.

FOCUS ON: **TOTAL COST OF OWNERSHIP**

A LEADER IN DIESEL ENGINES

The Volvo Group is a world leader in diesel engine technology. The engines are used in trucks, buses, construction equipment, ships, boats and all types of industrial applications. Volvo Penta is the Group's supplier of engines and acts as an independent supplier to the gen set manufacturers.

The Volvo brand is strong and well accepted and the comprehensive product range is designed and adapted to meet all kinds of customer needs, all over the world.



Your purchase cost, fuel bill, maintenance and cost of downtime. That's what decides your cost per kWh. Isn't that what it's all about?

Fuel consumption is vital

In the illustrated example, no less than 93% of total cost of ownership is fuel. That means the engine's fuel consumption will show much more than purchase cost on your bottom line.

A Volvo Penta engine is also powerful for its size. And thanks to the latest in electronic engine management, Volvo Penta engines achieve greater fuel efficiency than ever.

Moreover, the temperature-controlled fan, which is integrated in the engine management and only engaged when needed, can save you an additional 5% on fuel.



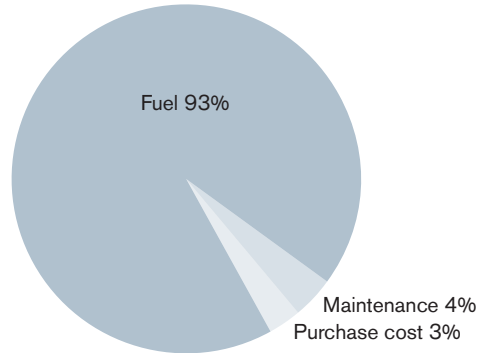
With a viscous coupling controlled by the engine management system, fan speed is perfectly adapted to engine temperature. This can save up to 5% on fuel consumption while also reducing engine noise.

Keep your motor running

High quality with built-in reliability gives maximum uptime. Volvo Penta engines are designed for the most demanding commercial operations thinkable: powering heavy-duty trucks, all types of vessels at sea and of course gen sets. When you add long service intervals, quick service and low oil volume – you have a winning equation.

Gen Pac

In the Gen Pac configuration, the engine comes complete with radiator and control unit, mounted on a frame with an extendable section. Fitting a generator cannot be easier.



Cost calculation for 13-liter Volvo Penta gen set.
10,000 hours of operation at 75% load.



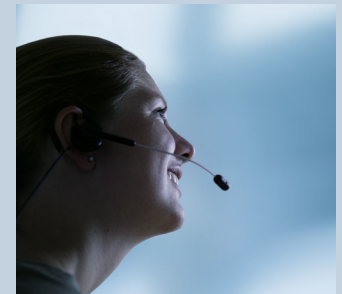
WORLDWIDE PARTNER

Volvo Penta is an independent supplier – with you all the way from the design stage to manufacturing, service and parts.

As an OEM, you are well supported by Volvo Penta application engineers. We provide specialist support to our customers in design, installation, and much more. The technical documentation that comes with a Volvo Penta engine is second to none.

Global service

The Volvo service network is global, in the true sense of the word. Qualified service and reliable parts supply are available in more than 100 countries.



READY-TO-GO

Volvo Penta engines are very easy to work with for the gen set manufacturer. For example:

- DCU fitted and standard CAN interface for the whole range.
- Dual speed, 1500/1800 rpm for worldwide use.
- Fitted radiator.
- Extendable base frame.

These features make for easy electrical and mechanical installation, plus higher reliability with a high level of factory fittings. The engines are also very compact in relation to their power output. Moreover, Volvo Penta offers engine versions to meet global and local emission regulations.



THE VOLVO PENTA GREEN COMMITMENT

Together with safety and quality, the environment is one of Volvo's core values. "The Volvo Penta Green Commitment" includes:

- 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 OEMs in drive-cycle analyses to optimize fuel consumption.
- Continued advances in combustion technology that dramatically reduce emissions.

For complete technical information, visit www.volvopenta.com

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 brochure 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-LITER RANGE

Prime and standby power

5-liter series



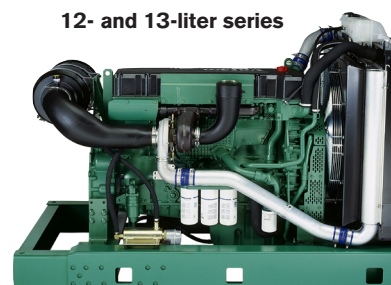
7-liter series



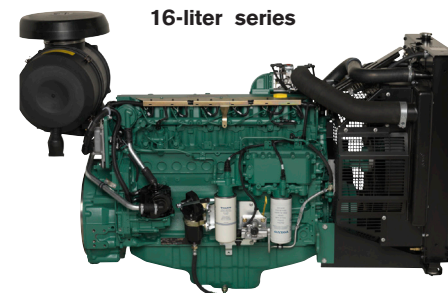
9-liter series



12- and 13-liter series



16-liter series



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