



DIESEL ENGINES FOR **HEAVY-DUTY** PROPULSION,
MARINE GENSET AND AUXILIARY

HEAVY-DUTY APPLICATIONS

HEAVY-DUTY



**VOLVO
PENTA**

THE WORLD OF **MARINE PROFESSIONALS ...**

... is the world of Volvo Penta. For more than 100 years, we have been developing, designing, manufacturing and servicing marine power systems that meet all requirements on heavy-duty applications in marine environments.

We are proud that operators in a variety of areas and businesses, all over the world, put their trust in our ability to provide reliable power for marine professionals.

THIS IS VOLVO PENTA.



AN **INCLUSIVE** OFFER

Through long-lasting cooperation with operators, designers, manufacturers and classification societies, we know your industry. But we also know that you want to get the best out of leading-edge technology, drive a profitable operation and meet environmental demands.

LONG-TERM PARTNERSHIP

Volvo Penta supplies you with much more than just an engine. Innovative drive systems and accessories, outstanding fuel efficiency and reliability, and a global service dealer network makes for a long-term partnership of performance and profitability.

A VOLVO GROUP COMPANY

As part of the Volvo Group, we proudly uphold the Volvo heritage and benefit from the group's tremendous expertise and technology resources. Our leading-edge automotive technology, adapted for marine environments, has given us a strong position in the market.



IT'S ALL ABOUT **UPTIME** AND **TOTAL COST OF** **OWNERSHIP** – AND **LONG-TERM THINKING**

When it comes to propulsion and auxiliary engines in marine commercial applications, the key to a profitable operation is minimizing the total cost of ownership and maximizing the engine uptime.

ENGINE LIFETIME COST OF OWNERSHIP



Our global network of dealers provides reliable support for your operation – with a single point of contact for the whole package: engines, instruments, accessories, service, warranties, etc. It's safe, secure and simple.

MAXIMUM UPTIME

Volvo Penta engines are robust and renowned for their heavy-duty performance and reliability. This makes them perfect for demanding marine propulsion and auxiliary applications – and provides the best conditions for maximum uptime.

FUEL – A SIGNIFICANT COST

Fuel consumption accounts for the largest portion of your total operational cost. That is one reason why marine operators all over the world have selected the fuel-efficient Volvo Penta power systems.

SERVICE DEALERS WORLD WIDE

Volvo Penta's global dealer network is more than an added value; it's an integral part of our engine offer – and a vital key to optimal uptime. And spare parts are always close at hand to you through our world-wide parts distribution network.

QUICKLINE

Quickline is Volvo Penta's production line for customers operating commercial vessels. In case of an engine breakdown, Volvo Penta can produce a new engine* in seven days. With this exclusive service, your downtime is reduced to a minimum.

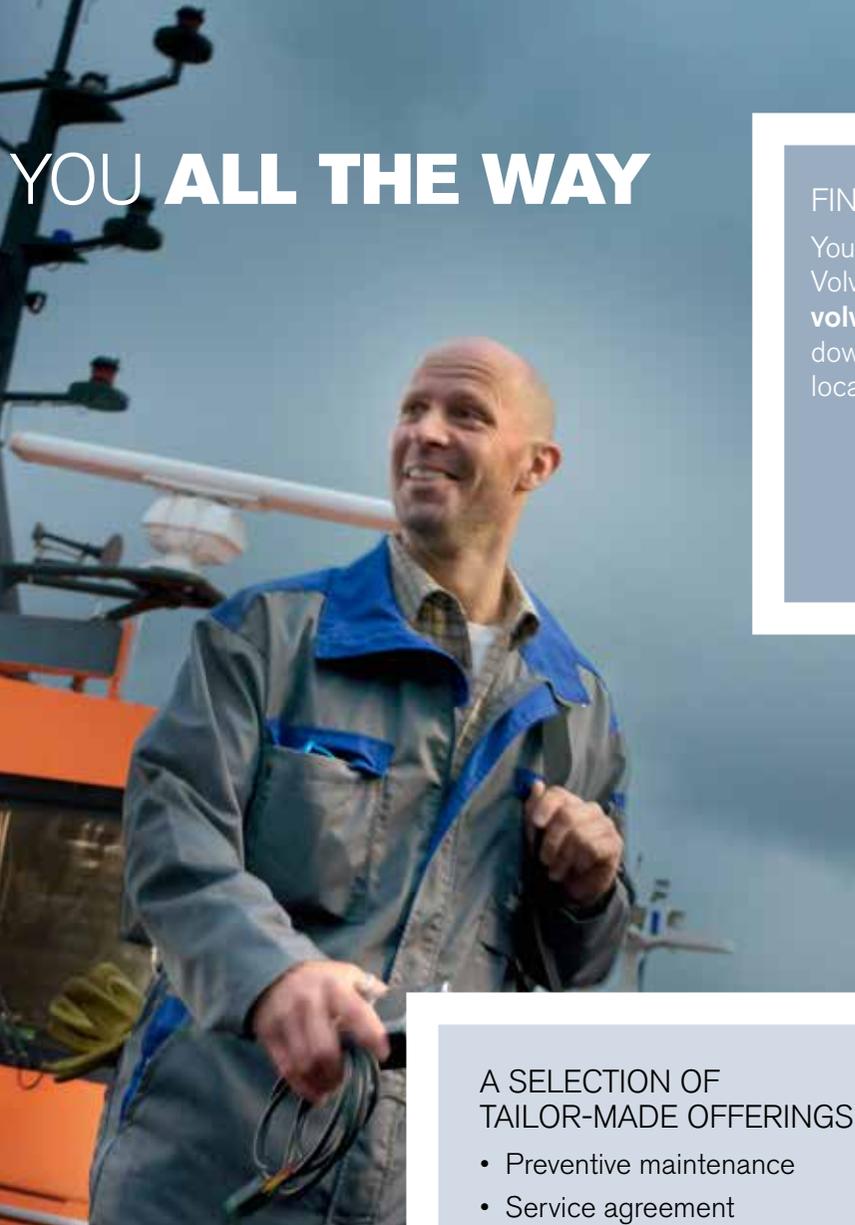
EXTENDED COVERAGE

With Volvo Penta's Extended Coverage program, you can prolong the standard warranty with up to five years – or the corresponding number of running hours – of full coverage for Volvo Penta auxiliary and power generation engines as well as the complete Volvo Penta propulsion package; from helm station, engines, drives, to the propellers.

* Classified and non-classified 300- to 750-hp D9MH, D13MH or D16MH propulsion engines. Please contact your nearest Volvo Penta dealer for detailed information.

WITH





YOU ALL THE WAY

FIND YOUR DEALER

You will find your nearest Volvo Penta dealer on volvopenta.com or download our dealer locator app.



GLOBAL SERVICE AND SUPPORT

The network of qualified and skilled Volvo Penta service dealers covers around 130 countries and is constantly growing. As an operator or OEM, you are offered tailor-made service and support offerings with everything you need to secure optimal uptime and cost of ownership over the engine's life cycle.

A SELECTION OF TAILOR-MADE OFFERINGS

- Preventive maintenance
- Service agreement
- Technical training
- Oil analysis
- Exchange components
- Repair and overhaul kits
- Repowering

EFFICIENT LOGISTICS AND PARTS SUPPLY

If a part is not held in stock by your local Volvo Penta dealer, the Volvo Group – with its world-class global parts distribution network – will provide fast and safe delivery wherever you operate.

VOLVO ACTION SERVICE 24/7

Volvo Action Service provides you with online technical support and, if needed, on-site support in Europe, North America and in large areas of Africa, the Middle East, Asia Pacific (India, China, South East Asia, Korea and Japan), Russia and Turkey.

ONLINE SERVICES FOR PARTNERS

As an OEM, you have access to the Volvo Penta Partner Network, the online service that provides access to technical and warranty information as well as parts ordering.

These are examples from the wide service and support range offered by Volvo Penta and our dealers. Please note that offerings can vary between markets.

PROPULSION ENGINES

State-of-the-art, reliable and extremely fuel efficient – the characteristics of Volvo Penta marine engines make them a perfect choice for a wide range of heavy-duty propulsion applications.

Based on Volvo Penta's more than century-long marine engine experience, our engines have been developed, manufactured and thoroughly tested to meet the needs of demanding operators worldwide.

PROVEN ENGINE TECHNOLOGY

Volvo Penta marine diesel engines are based on the Volvo Group's automotive engine concept which means they are easy-to-service and highly reliable engines. The engine platform is characterized by compact design and low weight.

UNIQUE MARINE TORQUE

The unique marine torque of the Volvo Penta diesel engines stands out among the competition by offering increased load-carrying capability, rapid acceleration, and the ability to maintain a high cruising speed, irrespective of load or sea state.

CLASS-LEADING FUEL EFFICIENCY

One of the main benefits you experience since Volvo Penta engines are based on the Volvo Group's engine platform is their fuel efficiency. This is vitally important for your daily fuel expenses as well as for your long-time cost of ownership.

ADDED EMISSION CONTROL

All Volvo Penta engines are designed to withstand high exhaust back pressure, which makes them perfect for applications that require additional, third-part exhaust aftertreatment systems.



VOLVO PENTA ENGINES' MAIN BENEFITS

- HIGH-PERFORMING
- FUEL EFFICIENT
- UNIQUE MARINE TORQUE
- HIGHLY RELIABLE
- ONE-COMPANY SIMPLICITY

D16





MCC AND EVC – FOR FULL CONTROL

Volvo Penta offers two type-approved alternatives for on-board electronic control:

EVC, Electronic Vessel Control, is Volvo Penta's own electronic platform with integrated controls and features for the IPS, Aquamatic and Inboard propulsion systems. EVC is a turn-key solution – just plug and play.

MCC, Marine Commercial Control, is fully classified and fulfills all SOLAS and societies' demands. MCC is an open system that is easily integrated into the ship's control system. It enables management of CPP, FPP, thrusters and multiple installations. All readings, actions and events are displayed in easy-to-read text.

GENSETS AND EMERGENCY SETS

Selecting Volvo Penta marine diesel engines for your onboard electrical power generation means that you prioritize high reliability and fuel efficiency.

But these engines not only meet all the performance needs from demanding operators and OEMs, they also come with a wide range of services to optimize your investment, thanks to Volvo Penta's global service dealer network.

UNIQUE TECHNICAL FEATURES

HIGH LOAD ACCEPTANCE Thanks to their ability to accept and instantly deliver the sufficient load acceptance, Volvo Penta engines provide higher redundancy – particularly valuable for emergency sets. Performance you can rely on.

MCC The MCC electronic platform is the powerful interface for managing e.g. multiple installations and efficient load sharing.

ADDED EMISSION CONTROL The Volvo Penta engines are designed to withstand high exhaust back pressure, which makes them perfect for applications that require additional, third-part emission control equipment.

EASY INSTALLATION

Volvo Penta engines are designed for easy installation – a quality you will benefit from whether you represent a ship yard or an OEM.

EASY TO SERVICE AND SUPPORT

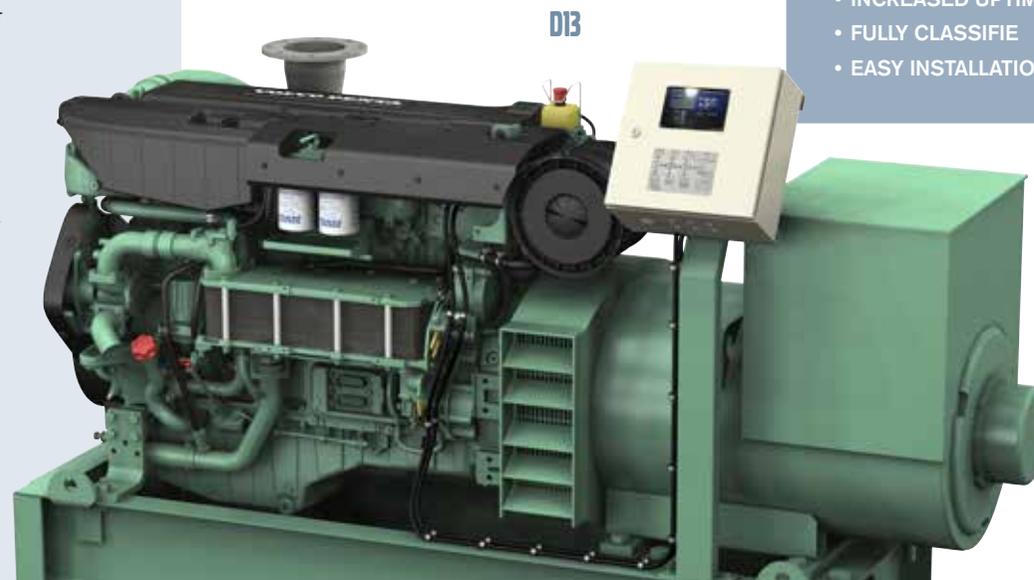
Reliable operation is absolutely vital for both gensets and emergency sets. All stops – scheduled and unexpected – must be reduced to an absolute minimum. To facilitate service, Volvo Penta engines provides easily accessible service points to reduce maintenance time and cost.

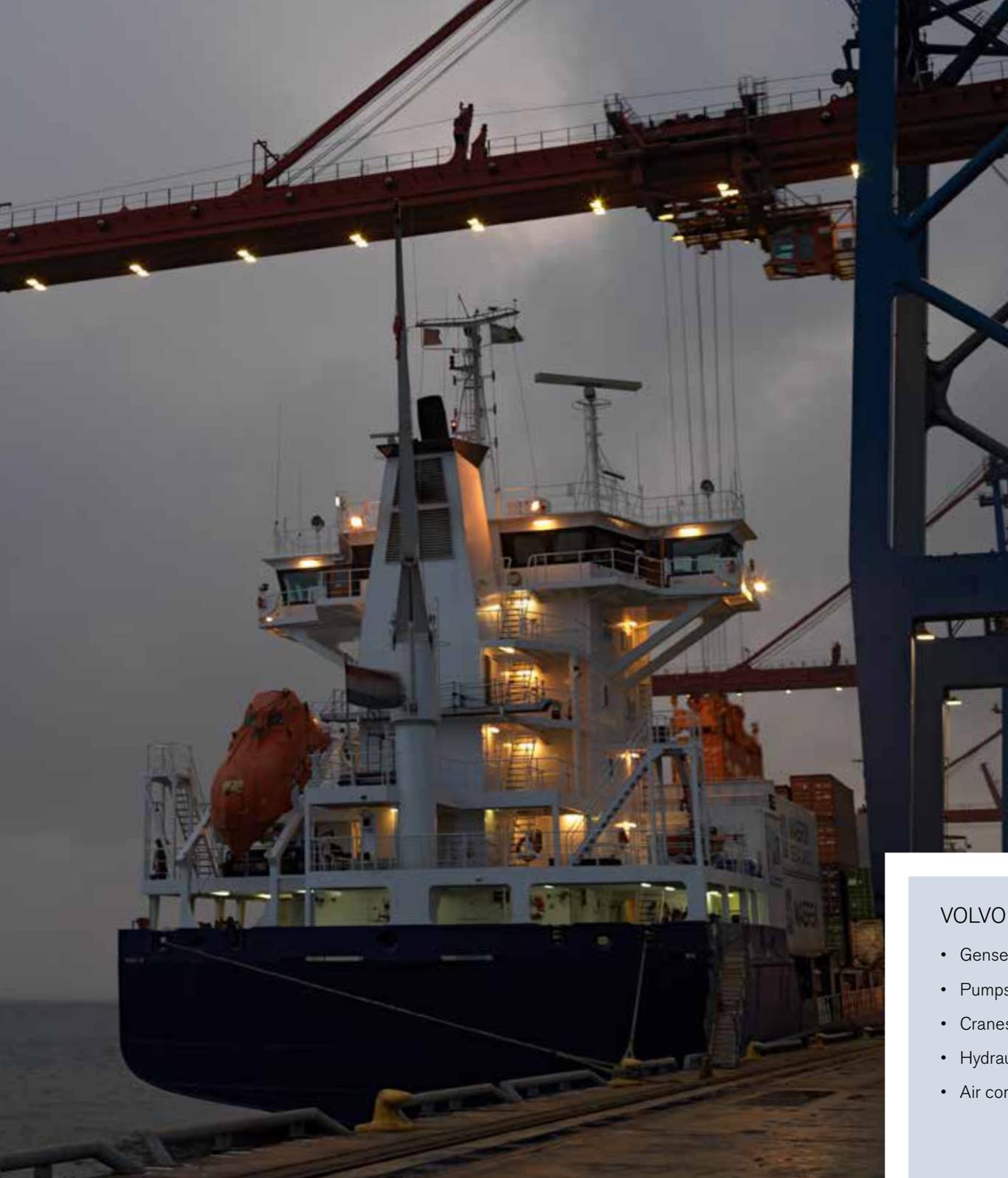
COMMON ENGINE PLATFORM

The platform commonality between Volvo Penta engines – with e.g. shared service and maintenance parts – simplifies parts availability and results in shorter lead times. Thanks to the service competence of the Volvo Penta dealer network, your Volvo Penta gensets' serviceability is further enhanced.

THE MAIN BENEFITS

- IN-HOUSE PRODUCTION
- HIGH RELIABILITY
- INCREASED UPTIME
- FULLY CLASSIFIED
- EASY INSTALLATION





AUXILIARY ENGINES

When working at sea, the reliability and durability of your auxiliary engines are vitally important for work and life on board.

Thanks to a long-lasting collaboration with leading manufacturers and our own expertise in marine power engineering, we can offer you highly cost-efficient on-board power solutions.

Volvo Penta engines are renowned for their technical qualities as well as their superior reliability. No matter what your requirements are or what the application is, you will find the perfect auxiliary engine in our broad range of marine diesel engines.

BUILT-IN QUALITIES

As an OEM providing equipment for the marine industry, you want to optimize your products. Apart from being highly reliable, a Volvo Penta diesel engine will add obvious user benefits such as high serviceability, extreme fuel efficiency and exceptionally low emission levels to your equipment.

From a design and manufacturing perspective, they also offer excellent power-to-weight ratio, platform commonality and easy installation.

VOLVO PENTA – THE PERFECT MATCH FOR:

- Gensets
- High-pressure water systems
- Pumps
- Fire-fighting equipment
- Cranes
- Nitrogen pumps
- Hydraulic power packs
- Dry bulk handling
- Air compressors
- ... and more

MULTIPLE INSTALLATIONS DIESEL-ELECTRIC PROPULSION

Using high-speed engines as prime movers is the most cost-efficient answer to a broad range of marine power needs. Compared with an installation based on fewer and larger engines, an installation of multiple Volvo Penta engines gives several benefits such as improved fuel efficiency, increased load-sharing capacity and better redundancy.

DIESEL-ELECTRIC PROPULSION

With a strong installation track record, the Volvo Penta genset is a proven concept.

Our generating sets are well-suited for diesel electric installations due to their fuel-efficiency, very low exhaust emissions and excellent compatibility with power-management systems.

ECONOMICAL OPERATIONS

Multi-engine synchronizing and load sharing enable each engine to operate at peak efficiency, which optimizes fuel economy and reduces maintenance costs. The high-speed engine alternative is also advantageous from a capital cost point of view.

MAINTENANCE ON SCHEDULE

A multi-set installation makes it possible to perform even advanced service operations without compromising the regular power supply.

ENVIRONMENTAL PERFORMANCE

Facing increasing environmental demands, a growing number of harbors require visiting ships to use low-sulphur fuel. The Volvo Penta auxiliary engine range is optimized for running on low-sulphur fuel, a fuel that also contributes to longer service intervals and increased engine uptime.



D13



D16



TYPE APPROVAL AND CERTIFICATION

All Volvo Penta gensets are delivered complete and tested, ready for installation on board. All equipment and sets are type approved by the major classification societies and can be delivered with certification.

SUSTAINABLE DEVELOPMENT

Economic growth and environmentally sustainable development are the major challenges of our time. Each year, the Volvo Group devotes numerous resources to developing products that meet our customers' demands for reliable high performance, as well as minimal environmental impact.

Being environmentally aware – and acting accordingly – is not only a matter of conscience. Today, it's a competitive edge and, more often, also a legal demand.

We will continue to work in close cooperation with our partners and customers and remain at the forefront of technological and environmental development – today, tomorrow and in the future.

THIS IS **VOLVO PENTA**

PART OF THE VOLVO GROUP

Volvo Penta is part of the Volvo Group, the world's leading manufacturer of trucks, buses, construction equipment and diesel engines.

RELIABLE AND FUEL-EFFICIENT ENGINES

Heavy-duty, reliable, and fuel-efficient, with low emission levels
– Volvo Penta diesel engines have distinctive qualities.

COMMON ENGINE PLATFORM

No redesigning necessary when you include several engine sizes in your product applications, thanks to the common engine platform.

DEVELOPED, MANUFACTURED AND SERVICED BY ONE COMPANY

All Volvo Penta products are developed for perfect interaction and optimal performance. For you, it means one single contact for the whole package, not least service and support. Safe, secure and simple.

GLOBAL AFTERMARKET SUPPORT

As part of the global Volvo Group, we have the resources and the presence to serve your business with tailor-made service and support offerings.

KNOWLEDGE

Through long-lasting cooperation with operators, designers and the largest OEMs, we know your business.

**VOLVO
PENTA**