

TAMD41

6-cylinder, 4-stroke, direct-injected turbocharged marine diesel engine with aftercooler and reverse gear. Up to 147 kW (200 hp)*

* Crankshaft power according to ISO 8698.

Reliable marine engine

TAMD41 is a reliable and economic marine engine with considerable power resources, developed for planing craft. With its compact dimensions, it is excellent for twin installation.

Direct injection

Direct injection (DI) results in a low thermal load and low fuel consumption compared with semi-chamber engines (IDI) with the same cylinder capacity.

Turbocharging

The engine is turbocharged with an exhaust-driven turbocompressor. More air can be forced into the cylinder in this way with the result that more fuel can be injected and the engine runs more efficiently. Since combustion takes place in a turbo-engine with excess air, the exhaust gases are cleaner than in a naturally-aspirated engine.

The turbo also acts as an additional silencer both on the induction side and on the exhaust side.

Aftercooler

The air heats up and expands when it is compressed. In other words, it takes up more space. The aftercooler cools the compressed and heated air and raises its oxygen content so that the engine can use the fuel more efficiently.

Low exhaust emission levels

The direct injection, turbocharging and aftercooler contribute to minimizing noxious exhaust emissions and enhancing overall enjoyment of boating.

Reverse gear

Volvo Penta's hydraulically shifted reverse gear has been specially developed with a view to increasing the standard of comfort on board in terms of quiet running, greater reliability and enhanced efficiency.

These benefits originate from a hydraulic shifting mechanism and a

TAMD41 with HS63A reverse gear



gear technology that uses bevel gears throughout the gear train.

The combination of 8° down angle, large drop center and small dimensions provides for optimized installations.

A trolling valve kit is available to meet special demands, e.g. for sportfishing.

At Volvo Penta, focus is on developing the complete drive line ensuring perfectly matched engine/transmission packages for high torque, operational reliability, reduction of engine noise and vibrations.

Comprehensive service network

Volvo Penta has a well-established network of authorized service dealers in more than 100 countries throughout the world. These service centers offer Genuine Volvo-Penta Parts as well as skilled personnel to ensure that you enjoy the best possible service.

Technical descriptions:

Engine and block

- Cylinder block and cylinder head made of cast iron for good corrosion resistance and long service life.
- Oil-cooled pistons with two compression rings and one oil scraping ring.
- Replaceable wet cylinder liners.
- Replaceable valve seats.
- Seven-bearing crankshaft.

Engine mounting

- Elastic suspension consisting of 4 rubber pads with adjustable anchorage plates for damping of sound and vibration.

Lubrication system

- Pressure lubrication system with easily replaced full-flow oil filter on the side of the engine.
- Tubular oil cooler that can be cleaned.

Fuel system

- Rotork-type injection pump with a mechanical governor for accurate speed control.
- Smoke limiter.
- Fine filter with water separator.
- Feed pump with hand primer.
- Electrically operated stopping device.

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circuit ldr has low resistance in brightness only few ohms and very high resistance in complete darkness nearly 1m ohm so the transistor q1 becomes on in day times and q2 becomes off and hence the relay remains in nc

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