

VOLVO PENTA INBOARD DIESEL

D12-675

6-cylinder, 4-stroke, direct-injected, turbocharged marine diesel engine with aftercooler – crankshaft power* 496 kW (675 hp)

* Power rating – see Technical Data

Excellent Performance and Cruising Range

The D12-675 marine diesel engine is specially designed and developed for installations in fast planing craft featuring the latest advanced diesel technology.

Excellent performance is assured with a rich torque curve matched to the high power output for quick out of the hole acceleration and high top and cruising speed.

Low fuel consumption for long cruising range and low emission levels is assured with:

- Electronic Unit Injectors
- 4-valve technology
- Electronically controlled injection timing
- High pressure 8-hole injector nozzles
- Electronic governing – EMS

This technology combined optimizes engine performance and efficiency, ensures efficient combustion by injecting the right quantity of fuel at the right time, which minimizes quantity of unburned fuel, reducing fuel consumption and exhaust emission levels. The Volvo Penta D12-675 fuel system is designed to give full output regardless of fuel temperature.

This technology, in combination with the high power output, gives the boat a wider operating range in combination with higher speed.

High quality

The D12-675 is built in the world's most highly automated diesel engine factory line with a totally robotic machining and assembly line with computer controlled audit checks, which ensures the highest quality level.

The D12-675 is a further development of the well-proven Volvo Penta in-line six engine concept which ensures high reliability and long term durability.

EVC/EC (Electronic Vessel Control)

EVC Electronic Vessel Control is the next generation of distributed control systems for marine applications. EVC adds features like electrical shift and throttle, synchroni-



zation, a new generation of instrumentation and much more. The electrical control levers are operated smoothly and precisely, with little force. Automatic twin engine synchronization reduces noise and vibrations levels, and increases service life of engine.

This, in combination with the well-balanced D12-675 in-line six cylinder engine with powerfully dimensioned crankshaft bearings and vibration damper on camshaft, ensures smooth, vibration-free operation with low noise levels.

Low exhaust emission levels

The D12-675 advanced diesel technology greatly contributes to more efficient combustion with higher power and reduced noxious exhaust emissions.

The D12-675 is certified according to IMO and SAV.

Easy installation

The D12-675 together with EVC gives a time saving and reliable installation, as it is a complete delivered compact and tailor-made propulsion system from one single supplier.

Plug-in water-protected harnesses and connectors, compact dimensions and the EVC system ensures an easy, simple and time-saving installation.

Ease of service and maintenance

The EVC system features a self-diagnostic facility. Easily accessible service and maintenance points contribute to the ease of service of the engine.

Worldwide service support in more than 100 countries

The Volvo Penta parts and service dealer network is a truly international operation with authorized service dealers around the world. These service centers offer Genuine Volvo Penta parts as well as skilled personnel to ensure the best possible service. Continuous and thorough product and service training ensures that Volvo Penta products are well supported.

D12-675 – a true marine engine from a true marine engine company

The D12-675 is a true marine engine as it is developed by a true marine company with the best there is to be found in marine experience and know-how, and built and assembled with the best production method there is to be found in the world.

The D12-675 delivers excellent performance and cruising range, high reliability and durability, in combination with the highest level of quality.

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