

VOLVO PENTA AQUAMATIC DUOPROP

KAD43P/DP

6-cylinder, direct-injected marine diesel engine with charge air compressor, turbocharger, aftercooler and Duoprop drive. 169 kW (230 hp)*

* Crankshaft power according to ISO 9685.

Compressor-charged Hi-Tech engine

Volvo Penta's 6-cylinder KAD43P is a compressor- and turbocharged high performance engine with aftercooler producing high torque at low engine speeds. This means unique acceleration properties and excellent drivability.

Reliable marine engine

KAD43P is a reliable and economic marine engine with considerable power resources, developed for planing craft.

The engine is compact and has an advantageous weight to power ratio making it excellent for both single and multi-engine installation.

Direct injection

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

Supercharging

The engine is supercharged with a mechanically driven compressor and an exhaust turbocharger. The compressor - fitted with silencers - supplies compressed air at low engine speeds and while accelerating. The turbo takes over when the charging pressure has reached the proper level.

The interaction of compressor and turbo produces high torque over the whole speed range and this contributes to cleaner exhaust gases and fuel economy giving excellent acceleration and driving characteristics.

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, supercharging and aftercooler contribute to minimizing noxious exhaust emissions and enhancing overall enjoyment of boating. The engine is certified according to SAW, IMO and IMO US/EPA.



KAD43P with DP-E Duoprop drive

Easy to service

The engine is designed for easy maintenance and service.

All the important service points on the engine are conveniently located at the top and the port side.

DP drive

The DP drive with its twin counter-rotating propellers produces a harmonious drive unit with unobtainable characteristics in the boat in terms of speed, acceleration and fuel economy.

It also produces less noise and vibrations, better steering and maneuvering characteristics, better grip in the water and a shorter time to planing compared with single propeller systems.

The drive features standard power steering for maximum driving comfort.

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 Gen-

uine Volvo Penta Parts as well as skilled personnel to ensure that you enjoy the best possible service.

Technical description:

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 scraper ring
- Replaceable wet cylinder liners
- Replaceable valve seats
- Seven-bearing crankshaft

Engine mounting

- Flexible mounting which provides sound and vibration insulation. The engine has two adjustable rubber mounts in front and rubber suspension between flywheel housing and transom shield

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

**VOLVO
PENTA**

Volvo Penta Kad 43 Shop Manual

Volvo, Aktiebolaget



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