

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 Kad 43 Manual

Chris Randall



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MotorBoating, 2003-01 **Volvo Penta Stern Drive Shop Manual 2001-2004** Penton Staff, 2000-05-24 30GS 3 0L in line 4 cylinder 135 HP 43GL 4 3L V 6 160 HP 43GI 4 3L V 6 180 HP 43GXI 4 3L V 6 210 HP 50GL 5 0L V 8 220 HP 50GI 5 0L V 8 250 HP 50GXI 5 0L V 8 270 HP 57GS 5 7L V 8 225 HP 57GS 5 7L V 8 250 HP 57GSI 5 7L V 8 280 H **VOLVO PENTA MD 5** Volvo Penta, 2015-04-13 **VOLVO PENTA MD 11C, C, MD 17C, D** Volvo Penta, 2014-03-01 **Volvo 400 Series Service and Repair Manual** A. K. Legg, 1999 Hatchback Saloon Coupe inc Turbo special limited editions Petrol 1 6 litre 1596cc 1 7 litre 1721cc 1 8 litre 1794cc 2 0 litre 1998cc **Volvo 440, 460 and 480 Owners Workshop Manual** A. K. Legg, 1993 **Volvo 142, 144 and 145 Owner Workshop Manual** John Harold Haynes, 2012-10-01 An owners workshop manual for the Volvo 142 144 and 145 *Volvo & Daf Owners Workshop Manual ...* John Harold Haynes, A. K. Legg, 1979-01-01 *Volvo S40 and V50 Diesel Owner's Workshop Manual, 07-13* Chris Randall, 2016-10 [Volvo S40 and V50 Diesel \(07-13\) 07 to 62](#) Chris Randall, 2013-01-01 Part of the Haynes Service and Repair Manual Series this title covers Volvo S40 and V50 diesel cars made between 2007 and 2013 **Volvo 240 Series Service and Repair Manual** Robert Maddox, Steve Churchill, 1996 240 242 244 245 inc special limited editions Petrol 2 0 litre 1986cc 2 1 litre 2127cc 2 3 litre 2316cc OHC Does NOT cover OHV engines *Volvo 240 Series Owners Workshop Manual* Robert Phillip Maddox, Steve Churchill, 2015-08 This Volvo 240 series owner s manual illustrated with drawings and photographs provides comprehensive advice on routine maintenance fault diagnosis and wiring using common tools [Volvo S40 and V50 Petrol and Diesel Service and Repair Manual](#) Martynn Randall, 2008 S40 Saloon V50 Estate inc special limited editions Does NOT cover Classic T5 or AWD four wheel drive models or facelifted range introduced July 2007 Petrol 1 8 litre 1798cc 2 0 litre 1999cc 2 4 litre 2435cc Does NOT cover 1 6 litre or 2 5 litre petrol engines Turbo Diesel 2 0 litre 1988cc Does NOT cover 1 6 litre or 2 4 litre diesel engines **Volvo Service Manual** Volvo, Aktiebolaget, 1962 **Volvo 850 Service and Repair Manual** John S. Mead, 2015 **Volvo 240 Service Manual** Bentley Publishers, 2011-04 The Volvo 240 Service Manual 1983 1993 is a comprehensive source of service information and specifications for Volvo 240 and other Volvo 200 series cars built from model years 1983 through 1993 Whether you re a professional technician or a do it yourself Volvo owner this manual will help you understand maintain and repair systems on the Volvo 240 Volvo 200 series and 240 models covered in this repair manual 1983 1985 DL GL 1983 1985 Turbo 1986 1993 240 240 DL Volvo 200 series and 240 gasoline engines covered in this repair manual B21F B21F T Turbo B23F B230F **Volvo 240 Series Owners Workshop Manual** Rob Maddox, Steve Churchill, 1995 **Volvo 1944-1968 Workshop Manual Pv444, Pv544 (P110), P1800, Pv445, P122 (P120 & Amazon), P210, P130, P220, 144, 142 & 145** Floyd Clymer, 2008-06 Covers the Volkswagen 1200 1968 77 1300 and 1300A 1968 1975 1500 1968 1970 1302 1285cc 1970 1972 1302S and LS 1584cc 1970 1972 1303 1285cc 1972 1975 Karmann Ghia 1968 1974 *Volvo service manual*, 1983 [Volvo Service Manual](#) Volvo, Aktiebolaget, 1966

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