D4-300/DP

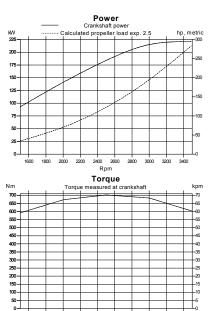


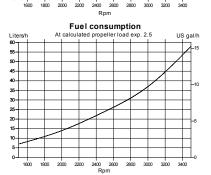
Technical Data

Engine designation	D4-300 A
Crankshaft power, kW (hp)	221 (300)
Propeller shaft power, kW (hp)	214 (291)
Engine speed, rpm	3500
Displacement, I (in ³)	3.7 (224)
Number of cylinders	4
Bore/stroke, mm (in.)	103/110 (4.06/4.33)
Compression ratio	17.5:1
Volvo Penta Duoprop drive	DPH
Ratio	1.76:1
Dry weight with DP, incl. prop. & PS, kg (lb)	663 (1462)
Rating	R5*
Emission compliance	IMO NOx, EU RCD Stage II, US EPA Tier 3

Technical data according to ISO 8665. With fuel having an LHV of 42700 kJ/kg and density of 840 g/liter at 15 °C (60 °F). Merchant fuel may differ from this specification which will influence engine power output and fuel consumption.

*RATING 5. For pleasure craft applications, and can be used for high speed planing crafts in commercial applications







D4-300/DP

Technical description:

- Engine block and head
- Cylinder block and cylinder head made of cast-iron
- Combined ladder frame and balance shafts
 4-valve technology with hydraulic lash ad-
- justers

 Double overhead camshafts
- Oil-cooled pistons with two compression rings and one oil scraper ring
- Integrated cylinder liners
- Replaceable valve seats
- Five-bearing crankshaft
- Rear-end transmission
- Engine mounting

Flexible engine mounting

- Lubrication system
- Easily replaceable separate full-flow and bypass oil filter
- Seawater-cooled tubular oil cooler

Fuel system

- Common rail fuel injection system
- Control unit for processing the injection
- Fine filter with water separator

Air inlet and exhaust system

- Air filter with replaceable insert
- Crankcase gases vented into the air inlet
- Exhaust elbow or exhaust riser

- Freshwater-cooled turbocharger
- Loss of sea water alarm

Cooling system

- Thermostatically regulated freshwater cooling
 Tubular heat exchanger with separate large volume expansion tank
- Coolant system prepared for hot water outlet
- Seawater strainer and easily accessible impeller pump

Electrical system

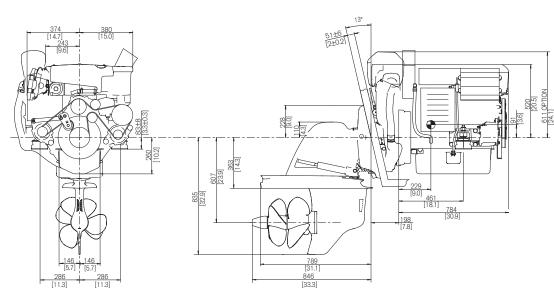
- 12V two-pole electrical system
- 115A marine alternator with Zener-diodes to protect the system from peak voltage, and integrated charging regulator with battery sensor cable for maximum use of alternator
- · Fuses with automatic reset
- Auxiliary stop button

Instruments/control

- Complete instrumentation/display packages, including e-key, the electronic key from Volvo Penta.
- Digital Power Trim instrument with analog or digital reading
- Electronic shift and throttle
- Plug-in connectors

Drive

- Complete with transom shield, and installation components
- Max tilt angle 50° (adjustable)
- Protective zinc anodes to prevent corrosion
 Built-in kick-up function to reduce possible damage, in the event the drive strikes an underwater object
- Electrical shifting performed by electronic actuator
- Power Trim with one-button operation in twin
 installation
- Fully integrated water inlet and exhaust system
- · Isolated propellers to prevent corrosion
- Fully hydraulic power-assisted steering system
- Optional electronic steering prerequisite for Sterndrive Joystick. Twin installation only.



More information

Contact your local Volvo Penta dealer for more information regarding Volvo Penta engines and optional eguipment/accessories or visit www.volvopenta.com

Not all models, standard equipment and accessories are available in all countries. All specifications are subject to change with-

out notice. The engine illustrated may not be entirely identical to production standard engines.



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AB Volvo Penta SE-405 08 Göteborg, Sweden

Dimensions D4-300/DP