D6-300/DP



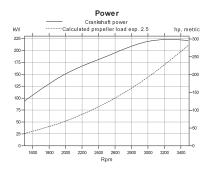
Technical Data

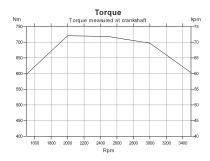
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Engine designation	D6-300 A
Crankshaft power, kW (hp)	221 (301)
Propeller shaft power, kW (hp)	212 (289)
Engine speed, rpm	3500
Displacement, I (in ³)	5.5 (336)
Number of cylinders	6
Bore/stroke, mm (in.)	103/110 (4.05/4.33)
Compression ratio	17.5:1
Volvo Penta Duoprop drive	DPH
Ratio	1.76:1
Dry weight with DP, incl. prop. & PS, kg (lb)	750 (1653)
Rating	R4*
Emission compliance	IMO NOx, EU RCD, US EPA Tier 3 Type approved by DNV

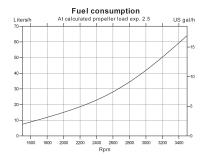
Technical data according to ISO 8665. With fuel having an LHV of 42700 kJ/kg and density of 840 g/liter at 15 °C (60 °F).

Merchant fuel may differ from this specification which will influence engine power output and fuel consumption.

*RATING 4. For light planing craft in commercial operation









D6-300/DP

Technical description:

Engine block and head

- Cylinder block and cylinder head made of cast-iron
- Ladder frame fitted to engine block
- 4-valve technology with hydraulic lash adjusters
- · Double overhead camshafts
- Oil-cooled pistons with two compression rings and one oil scraper ring
- Integrated cylinder liners
- · Replaceable valve seats
- Seven-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 including key switch and interlocked alarm
- Digital Power Trim instrument with analog or digital reading
- EVC monitoring panels for single or twin installations

- · Electronic shift and throttle
- · Plug-in connectors

Drive

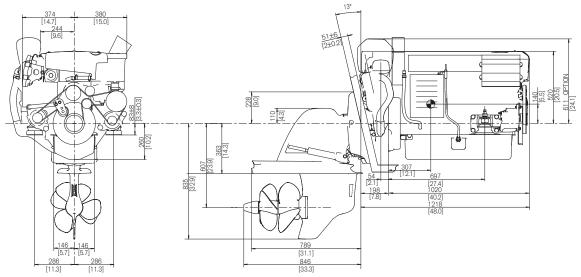
- Complete with transom shield, and installation components
- Max tilt angle 50° (adjustable)
- Protective zinc anodes to prevent corrosion
- Built-in kick-up function to reduce possible damage, in the event the drive strikes an underwater object
- Electrical shifting performed by electronic actuator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

Option

U.S.C.G./MED (SOLAS) kit available.

Dimensions D6-300/DP

Not for installation



More information

Contact your nearest Volvo Penta dealer for more information about Volvo Penta engines and optional equipment/accessories or go to www.volvopenta.com





Download the Volvo Penta dealer locator App for your IPhone or Android

