# D6-400/DP



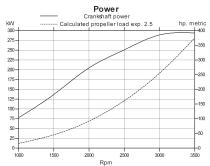
# **Technical Data**

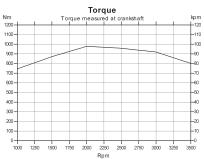
Engine designation	D6-400 A
Crankshaft power, kW (hp)	294 (400)
Propeller shaft power, kW (hp)	281 (382)
Engine speed, rpm	3500
Displacement, I (in <sup>3</sup> )	5.5 (336)
Number of cylinders	6
Bore/stroke, mm (in.)	103/110 (4.06/4.33)
Compression ratio	17.5:1
Volvo Penta Duoprop drive	DPH
Ratio	1.59:1
Dry weight with DP, incl. prop. & PS, kg (lb)	785 (1731)
Rating	R5*
Emission compliance	IMO NOx, EU RCD, US EPA Tier 3

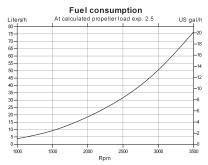
Technical data according to ISO 8665. With fuel having an LHV of 42700 kJ/kg and density of 840 g/liter at  $15\,^{\circ}\text{C}$  (60 °F).

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









# D6-400/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 adiusters
- 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

Belt-driven compressor with silencer of absorption type on both inlet and output port

- 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 cool-
- Tubular heat exchanger with separate large volume expansion tank
- Coolant system prepared for hot water out-
- 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

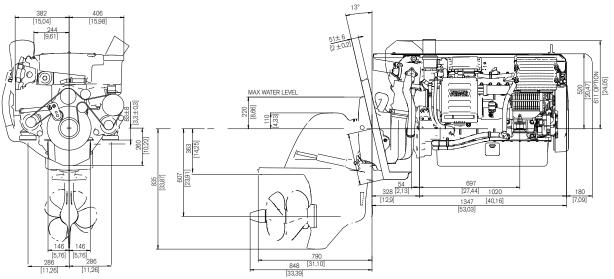
#### Drive

- 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 sys-
- Isolated propellers to prevent corrosion
- Fully hydraulic power-assisted steering sys-
- Optional electronic steering prerequisite for Sterndrive Joystick. Twin installation only.

# Option

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

## **Dimensions D6-400/DP**



#### 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