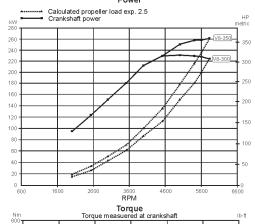
# V8-300/350-CE

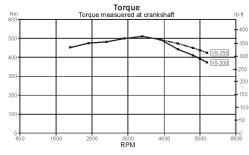


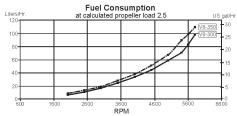
### **Technical Data**

recilineal Bata		
Engine designation	V8-300-CE	V8-350-CE
Power, kW (hp)	224 (300)	261 (350)
Engine speed, rpm	5800	5800
Displacement, I (in³)	5.3 (323)	5.3 (323)
Number of cylinders	V8	V8
Bore/stroke, mm (in.)	96/92 (3.80/3.62)	96/92 (3.80/3.62)
Compression ratio	11.0:1	11.0:1
Fuel system	Spark Ignited Direct Injection	Spark Ignited Direct Injection
Volvo Penta Aquamatic drive	SX	1)
Ratio	1.51:1, 1.60:1, 1.66:1	
Volvo Penta Duoprop drive	DPS, TCC	DPS, TCC
Ratio	1.95:1, 2.14:1, 2.32:1	1.95:1, 2.14:1, 2.32:1
Volvo Penta Forward Drive	FWD, FWD TCC	FWD, FWD TCC
Ratio	1.95:1, 2.14:1, 2.32:1	1.95:1, 2.14:1, 2.32:1
Dry weight with DP, incl. prop. & PS, kg (lb)	434 (954)	434 (954)
Rating	5 <sup>2)</sup>	5 <sup>2)</sup>
The engine complies with	US EPA, CARB, EU RCD II, BSO <sup>3)</sup>	US EPA, CARB, EU RCD II

- 1. Not available
- 2. RATING 5, for pleasure craft applications
- 3. Only BSO certified for single installations







See note, page 2

V O L V O P E N T A

# V8-300/350-CE

# **Technical description:**

#### Engine block and head

- Aluminum, deep skirt cylinder block with six bolt, powdered metal main caps for extra strength
- Hydraulic cam phaser for variable camshaft timing optimizes low end torque and high-end horse power

#### Lubrication system

- Pressure lubrication system with heavy duty engine oil cooler and remote oil filter
- Paper oil filter element reduces environmental impact of engine service
- · Cast aluminum structural oil pan

#### Fuel system

- Spark Ignited Direct Injection system with stainless steel returnless fuel rail and highpressure mechanical fuel pump
- High pressure direct injection facilitates a higher compression ratio and improved combustion
- Vapor separating fuel pump system with two electric pumps, pressure regulator, and water separating fuel filter

#### Intake and exhaust system

**Dimensions V8-300/DPS** 

- · Low weight aluminum exhaust system
- Three inch riser option is a direct replacement for the standard height elbow
- Exhaust passages optimized for torque and power

 Collector (elbow) design maximizes use of the catalyst for reduced back pressure

#### Cooling system

- Equipped with Easy Drain, a one-point draining system for the raw-water portion of the cooling system
- Freshwater (closed) cooling system for engine and engine oil cooler
- Advanced Volvo VCS (yellow) coolant for superior corrosion and thermal protection

#### Ignition system

- Iridium tipped, side electrode spark plugs for reliability and extended service life
- Coil near plug ignition system

# Electronic engine control

- Electronic Control Module (ECM) ensures constant, optimum performance, greater fuel efficiency and reduced emissions
- 4G ECM supports full diagnostics through connection on engine harness
- Closed loop system with pre- and post catalyst oxygen sensors helps control fuel delivery and reduce emissions

## **Electrical system**

- 12V corrosion-protected electrical system
- 120A marine alternator with internal transistorized voltage regulator
- Re-settable circuit breaker for trim system
- Fuse protection of the electric fuel pumps and the fuel injection system
- · Auxiliary stop switch in front of engine

#### **Electronic Vessel Control**

- Electronic shift and throttle
- Complete instrumentation including e-key switch and interlocked alarm
- Digital Power Trim instrument with analog or digital reading
- EVC monitoring panels for single or twin installations

#### Drive

- · Silent shift for smoother shifting
- · Pattern-matched spiral bevel gears
- Exhaust through propeller hub, cavitation plate
- Break-away coupling between vertical shafts
- Standard tilt specification 52° (42° and 32° available as option on engine order)
- Built-in kick-up function to reduce damage, in the event the drive strikes an underwater object
- Easy access drive and transom shield anodes
- Easily accessible TSK mounted flush port

#### Coastal Series package features

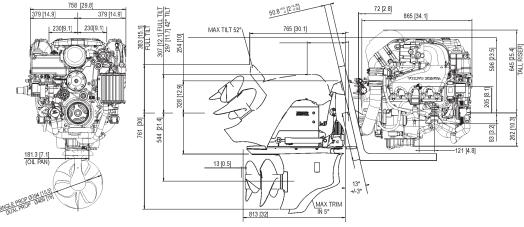
- · Water in bellows sensor
- Drive oil level sensor
- · Drive water in oil sensor
- Titanium ceramic corrosion protective coating

#### Power trim

 High capacity trim pump integrated with transom shield to ease installation and save space in engine compartment

#### Accessories

- EVC Accessories
- Sea strainer Kit
- Easy Connect
- Air Conditioner Kit



#### 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

**Note:** Power and fuel consumption measurements according to ISO 8665. Fuel octane of 90 RON (87 AKI) with 0% ethanol and density of 742g/liter, air temperature at 25°C (77°F), humidity of 30% and barometric pressure at 100 kPa (14.5 PSI). Operation at different conditions will influence engine power output and fuel consumption.