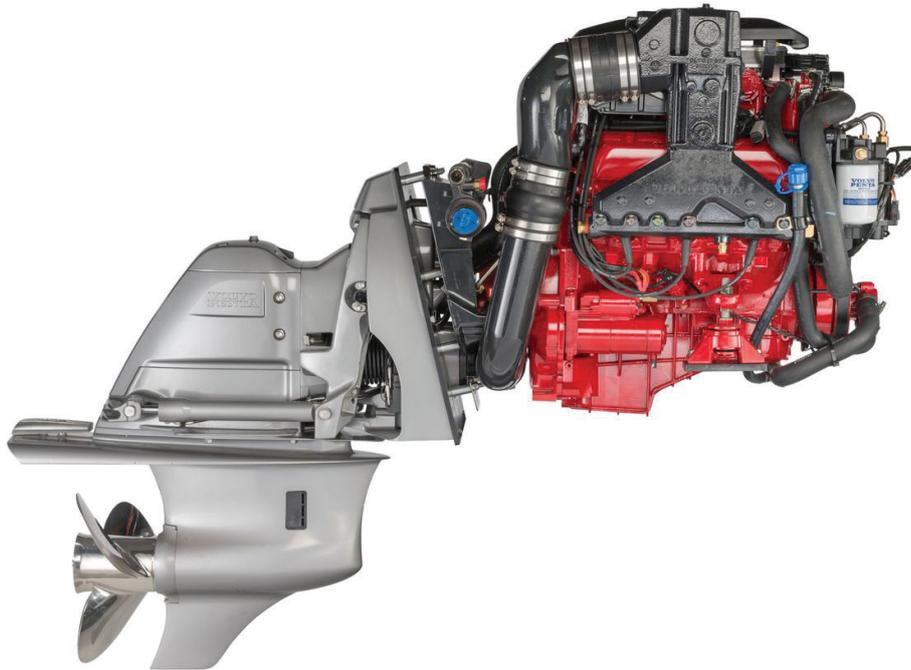


# V6-225-E EVC



## Technical Data

Engine designation	V6-225-E
Horsepower, kW (hp)	165 (225)
Engine speed, rpm	4800
Displacement, l (cu.in.)	4.3 (262)
Number of cylinders	V6
Bore/stroke, mm	101.6/88.4
Bore/stroke, in.	4.00/3.48
Compression ratio	9.4:1
Volvo Penta Aquamatic drive	SX
Ratios	1.60:1, 1.66:1, 1.79:1, 1.89:1*, 1.97:1*
Volvo Penta Duoprop drive	DPS
Ratios	1.95:1, 2.14:1, 2.32:1
Dry weight with DP, kg (lb)	419 (924)
Rating	R5**
Emission Compliance	US EPA, EU RCD

Horsepower according to ISO 8665

\* High altitude 1000 m (3500 ft)

\*\* RATING 5. For pleasure craft applications

# V6-225-E EVC

## Technical description:

### Engine block and head

- Cylinder block and cylinder heads made of cast iron for good corrosion resistance
- Pistons with two compression rings and one oil scraper ring
- Four-bearing crankshaft
- Valve train consisting of single camshaft, hydraulic valve lifters, push rods and two overhead valves per cylinder
- Color-coded service points
- Four adjustable rubber mounts, one on each side of the engine, and two between transom shield assembly and engine

### Lubrication system

- Pressure lubrication system with full-flow environmentally friendly paper oil filter
- Remote oil filter for easy service access

### 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

### Fuel system

- Multi-Port Fuel Injection system
- High capacity water separating fuel filter
- Two electric fuel pumps

### Intake and exhaust system

- Integral Air Fuel Module intake manifold
- Seawater-cooled exhaust manifolds and risers made of cast iron with EDP coating
- Complete exhaust line with pipe and bellows for exhaust outlet through the drive

### Cooling system

- Thermostatically controlled seawater cooling
- Freshwater cooling available as an option
- Crank mounted seawater pump
- Flush fitting – hose connection to flush cooling system with freshwater
- Advanced Volvo VCS (yellow) coolant for superior corrosion and thermal protection

### Electrical system

- 12V corrosion-protected electrical system
- 14-pin engine to boat connection
- ECM unit ensures constant optimum performance with diagnostic capability
- Charging regulator with battery sensor for voltage drop compensation
- 75A marine alternator with internal transistorized voltage regulator
- Re-settable circuit breaker for trim system
- Fuse protection of the fuel pumps and the fuel injection system

### 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

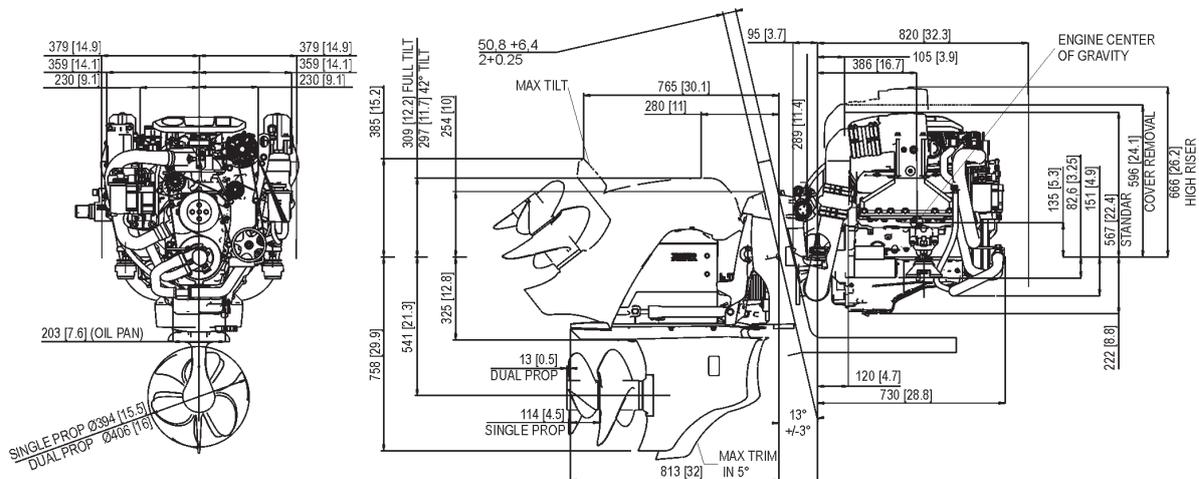
- Cone clutch for smoother shifting
- Pattern-matched spiral bevel gears
- Exhaust through propeller hub, cavitation plate
- Break-away coupling between vertical shafts
- Standard tilt specification 52° (42° and 32° available as option on engine order)
- The drive can be turned 28° in each direction
- Built-in kick-up function to reduce damage, in the event the drive strikes an underwater object
- Easy access drive and transom shield anodes

### Power trim

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

## Dimensions V6-225DPS

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](http://www.volvopenta.com)



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# VOLVO PENTA

AB Volvo Penta

SE-405 08 Göteborg, Sweden  
[www.volvopenta.com](http://www.volvopenta.com)

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