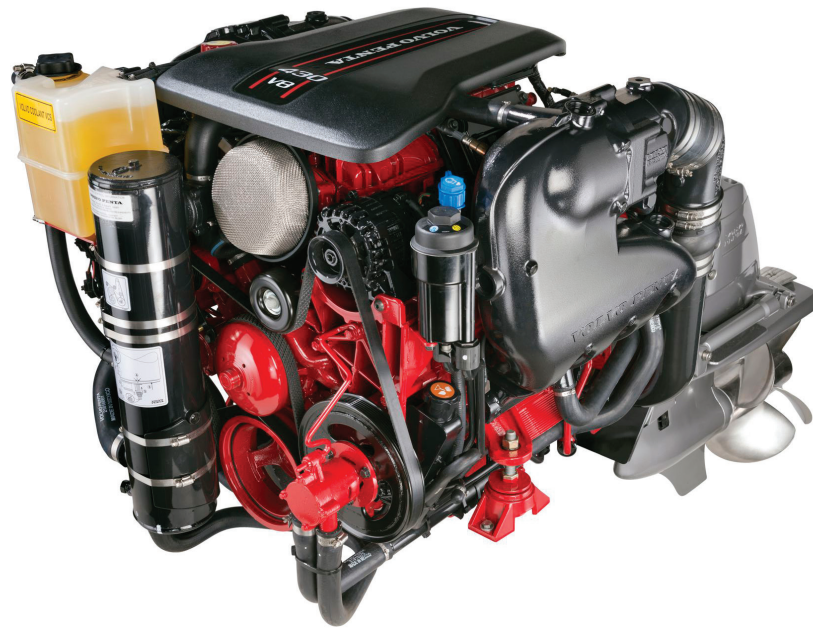


# V8-430-CE EVC



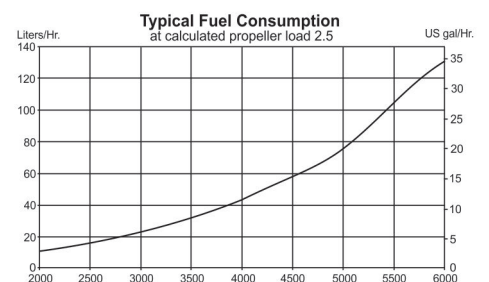
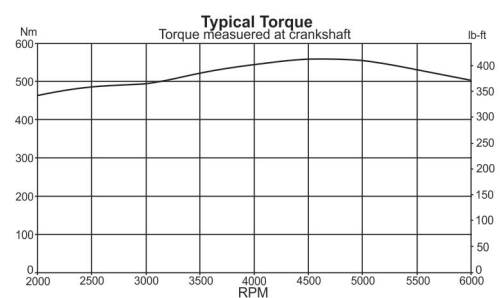
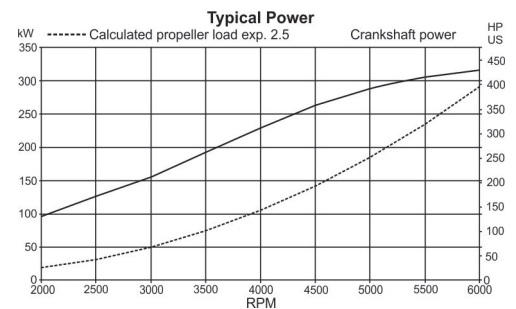
## Technical Data

Engine designation	V8-430-CE
Horsepower, kW (US hp)	321 (430)
Engine speed, rpm	6000
Displacement, l (in <sup>3</sup> )	6.0 (364)
Number of cylinders	V8
Bore/stroke, mm (in.)	101.6/91.9 (4.00/3.62)
Compression ratio	9.67:1
Fuel system	Multi-port Injection
Volvo Penta Duoprop drive	DPS
Ratio	1.95:1, 2.14:1, 2.32:1*
Volvo Penta Forward Drive	FWD
Ratio	1.95:1, 2.14:1, 2.32:1*
Dry weight with DP, incl. prop. & PS, kg (lb)	506 (1115)
Rating	5**
The engine complies with	US EPA, CARB, EU RCD

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.

\* High altitude 1500m (5000 feet)

\*\* RATING 5, for pleasure craft applications



**VOLVO  
PENTA**

# V8-430-CE EVC

## Technical description:

### Engine block and head

- 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
- High flow aluminum cylinder heads featuring fully CNC machined intake and exhaust ports resulting in improved airflow
- High lift intake and exhaust cam profiles optimized for maximizing high speed efficiency while maintaining idle quality
- Hollow stem, heavy duty intake valve stems reduce dynamic loading of valve train
- Inconel exhaust valves for prolonged life

### 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

### Fuel system

- Multi Port Fuel Injection system
- Vapor separating fuel pump system with two electric pumps, pressure regulator, and water separating fuel filter

### Intake and exhaust system

- Low weight aluminum exhaust system
- Exhaust passages optimized for torque and power

- Manifolds cooled by engine coolant as part of the standard freshwater cooling system
- Collector (elbow) design maximizes use of the catalyst for reduced back pressure
- 3 inch riser option is a direct replacement for the standard height elbow

### Cooling system

- Full freshwater (closed) cooling system for engine, exhaust manifolds, engine oil cooler
- Advanced Volvo VCS (yellow) coolant for superior corrosion and thermal protection

### 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
- 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

- Joystick control available as an option for twin installations

- 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

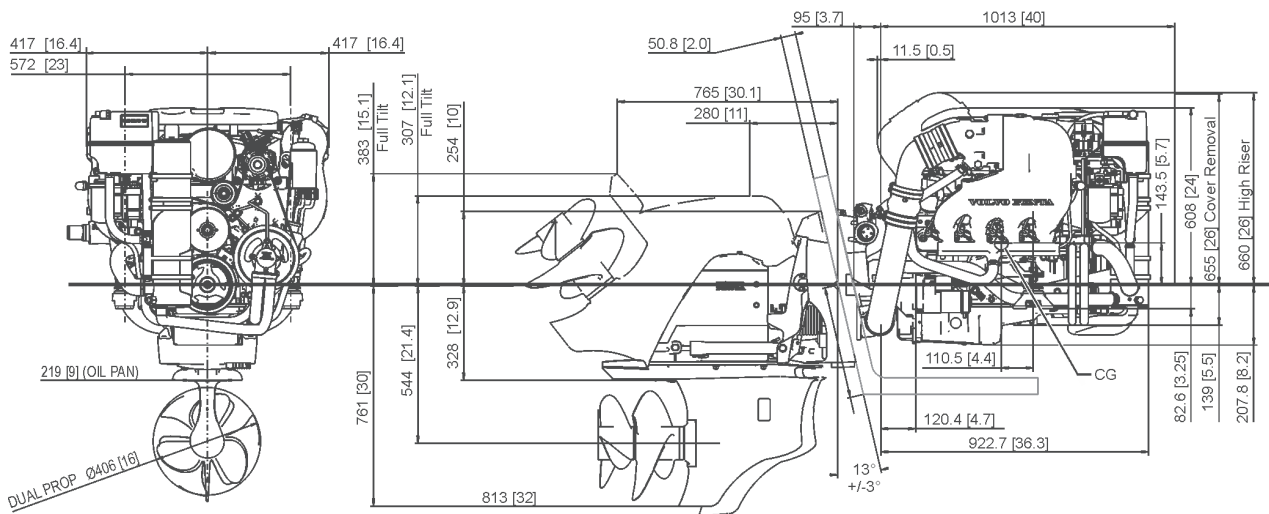
- Cone clutch for smoother shifting
- Pattern-matched spiral bevel gears
- Exhaust through propeller hub, cavitation plate
- Break-away coupling between vertical shafts
- Standard tilt specification 52° (42° and 32° available as option on engine order)
- The drive can be turned 28° in each direction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

### Power trim

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

## Dimensions V8-430/DPS

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

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

Not all models, standard equipment and accessories are available in all countries. All specifications are subject to change without notice. The engine illustrated may not be entirely identical to production standard engines.