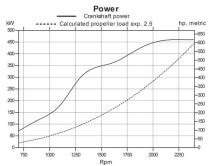
D11-625

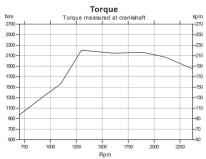


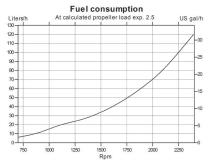
Technical Data

| Engine designation | D11-625 |
|---|--|
| No. of cylinders and configuration | in-line 6 |
| Method of operation | 4-stroke, direct-injected, turbocharged diesel engine with aftercooler |
| Bore/stroke, mm (in.) | 123/152 (4.84/5.98) |
| Displacement, I (in ³) | 10.84 (661.3) |
| Compression ratio | 16.5:1 |
| Dry weight bobtail, kg (lb) | 1145 (2524) |
| Crankshaft power, kW (hp) @2400 rpm | 459 (625) |
| Max. torque, Nm (lbf.ft) @ 1900 rpm | 2161 (1594) |
| Emission compliance | IMO NOx, EU RCD Stage II, US EPA Tier 3 |
| Rating | R4* |
| Recommended fuel to conform to | ASTM-D975 1-D & 2-D, EN 590 or JIS KK 2204 |
| Specific fuel consumption, g/kWh (lb/hph) @ 2400rpm | 219 (0.355) |
| Flywheel housing/SAE size | 11.5"/SAE 2 |

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

D11-625

Technical description:

Engine and block

- · Cylinder block made of cast iron
- · One-piece cast-iron cylinder head
- · Ladder frame fitted to engine block
- Replaceable wet cylinder liners and valve seats/guides
- Drop forged crankshaft with induction hardened bearing surfaces and fillets with seven main bearings
- Four-valve-per-cylinder layout with overhead camshaft and center position of unit injectors
- Each cylinder features cross-flow inlet and exhaust ducts
- Gallery oil-cooled cast aluminum alloy pistons with three piston rings
- · Rear-end transmission

Engine mounting

• Flexible engine mounting (option)

Lubrication system

- Integrated oil cooler in cylinder block
- Symmetrically positioned twin full flow oil filter of spin-on type and by-pass filter

Fuel system

- · Electronic high pressure unit injectors
- · Gear-driven fuel pump and injection timing
- Electronically controlled central processing system (EMS – Engine Management System)
- Single fine fuel filter of spin-on type, with water separator and water alarm

Air inlet and exhaust system

- Mid-positioned twin entry turbocharger with aftercooler
- · Air filter with replaceable inserts
- Wet exhaust elbow (option)
- · Loss of sea water alarm

Cooling system

- · Seawater-cooled tubular heat exchanger
- Coolant system prepared for hot water outlet

 Easily accessible seawater impeller pump in rear end

Electrical system

 24V with extra 12V/115A or 24V/80A alternator

Instruments/controls

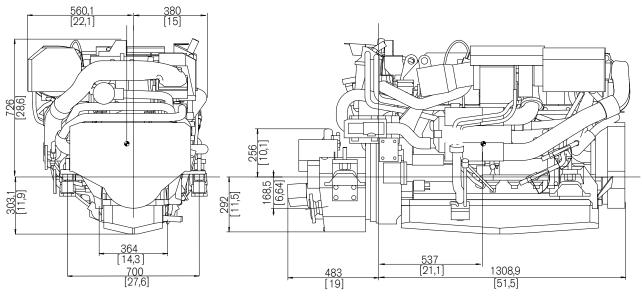
- Complete instrumentation/display packages, including e-key, the electronic key from Volvo Penta
- EVC monitoring panels for single or twin installations
- · Electronic shift and throttle
- · Plug-in connectors
- EVC system color display (option)

Reverse gear

- ZF305-3A-E, ZF325IV-E, electronically shifted
- · Low speed available as option

Dimensions D11-625 with ZF305-3A-E

Not for installatio



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

