

D3-110,150



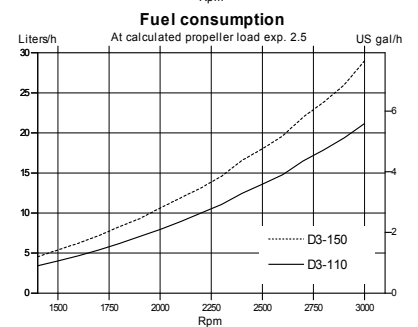
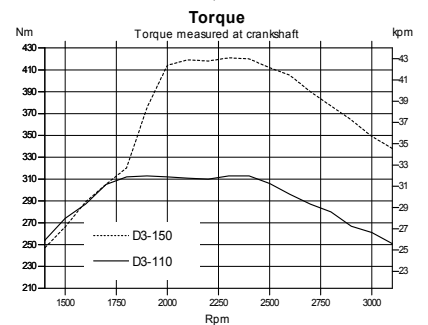
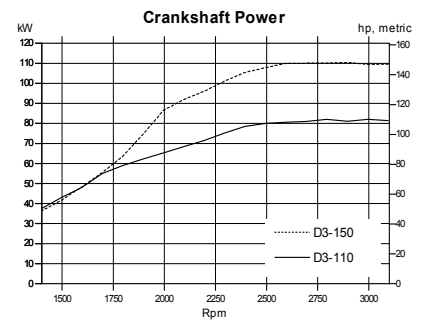
Technical Data

Engine designation	D3-110 I	D3-150 I
Crankshaft power, kW (hp)	81 (110)	110 (150)
Propeller shaft power, kW (hp)	78 (107)	106 (144)
Engine speed, rpm	3000	3000
Displacement, l (in ³)	2.4 (146)	2.4 (146)
Number of cylinders	5	5
Bore/stroke, mm (in.)	81/93.2 (3.19/3.67)	81/93.2 (3.19/3.67)
Compression ratio	16.5:1	16.5:1
Dry weight D3-110/HS25AE, kg (lb)	297 (655)	297 (655)
Dry weight D3-150/HS45AE, kg (lb)	301 (664)	301 (664)
Rating	R5*	R5*
Emission compliance	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°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



D3-110,150

Technical description:

Engine block and head

- Cylinder block and head made of aluminum
- Cylinder block with integrated bed plate
- 4-valve technology with hydraulic lash adjusters
- Double overhead camshafts
- Oil-cooled pistons with two compression rings and one oil scraper ring
- Cast-in grey iron cylinder liners
- Replaceable valve seats
- Six-bearing crankshaft
- Front-end transmission

Engine mounting

- Flexible engine mounting

Lubrication system

- Easily replaceable (insert) full-flow oil filter
- Plate oil cooler

Fuel system

- Common rail fuel injection system
- Piezo-electric injectors
- Constant power output regardless of fuel quality or temperature (5–55°C / 41–131°F)

- Fine filter with water separator and water in fuel sensor with alarm

Air inlet and exhaust system

- Replaceable air filter
- Closed crankcase ventilation with oil separator and filter
- Stainless steel exhaust elbow
- Turbocharger with variable geometry

Cooling system

- Thermostatically regulated freshwater cooling
- Tubular heat exchanger with separate large volume expansion tank
- Coolant system prepared for hot water outlet
- Easily accessible impeller pump

Electrical system

- 12V one-pole electrical system
- 180A alternator, and integrated temperature compensated charging regulator
- Auxiliary stop button

Instruments/control

- Electronic shift and throttle

- Full range of instrumentation available

Reverse gear

HS25AE Hydraulic – drop center with 8° down angled output shaft.

- Ratio 2.48:1 or 1.92:1 (RH/LH)

HS45AE Hydraulic – drop center with 8° down angled output shaft.

- Ratio 2.43:1 or 2.03:1 (RH/LH)

HS63IVE Hydraulic V-drive.

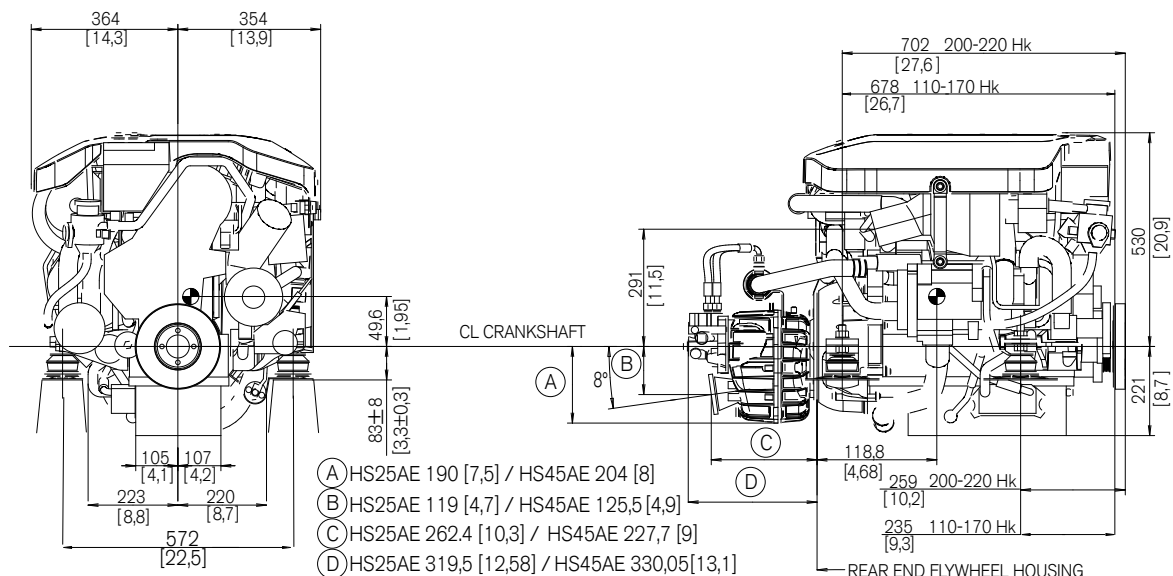
- Ratio 2.48:1 or 1.99:1 (RH/LH).

Option

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

Dimensions D3-110/HS25AE and D3-150/HS45AE

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



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