



MD 27

VOLVO PENTA MARINE DIESEL ENGINE • 83 H.P.

MD 27 is a six-cylinder, four-stroke Diesel engine with fresh water cooling. It is a marine conversion by Volvo Penta and is based on one of the well-known Indenor/Peugeot Diesel engines.

MD 27 is a marine engine with a outstanding output—83 h.p. (SAE) at 4000 r.p.m.—in relation to the low weight, the advantageous dimensions, the low fuel and lubricating oil consumption.

MD 27 is, from a technical point of view, of advanced design and is equipped with:

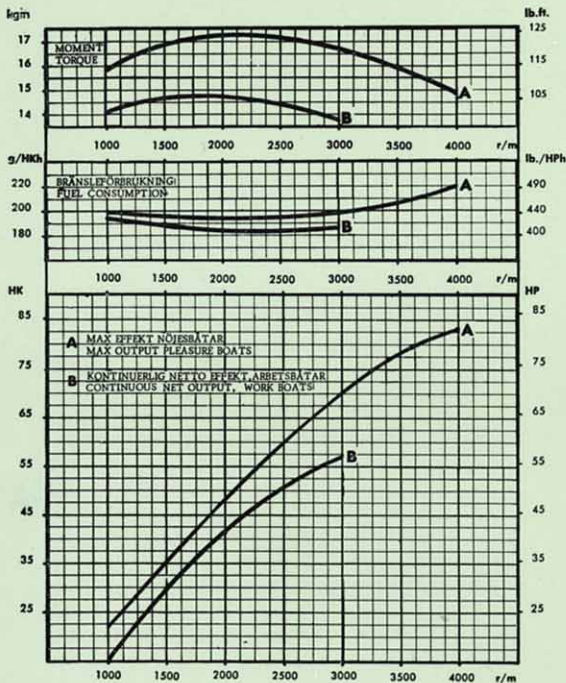
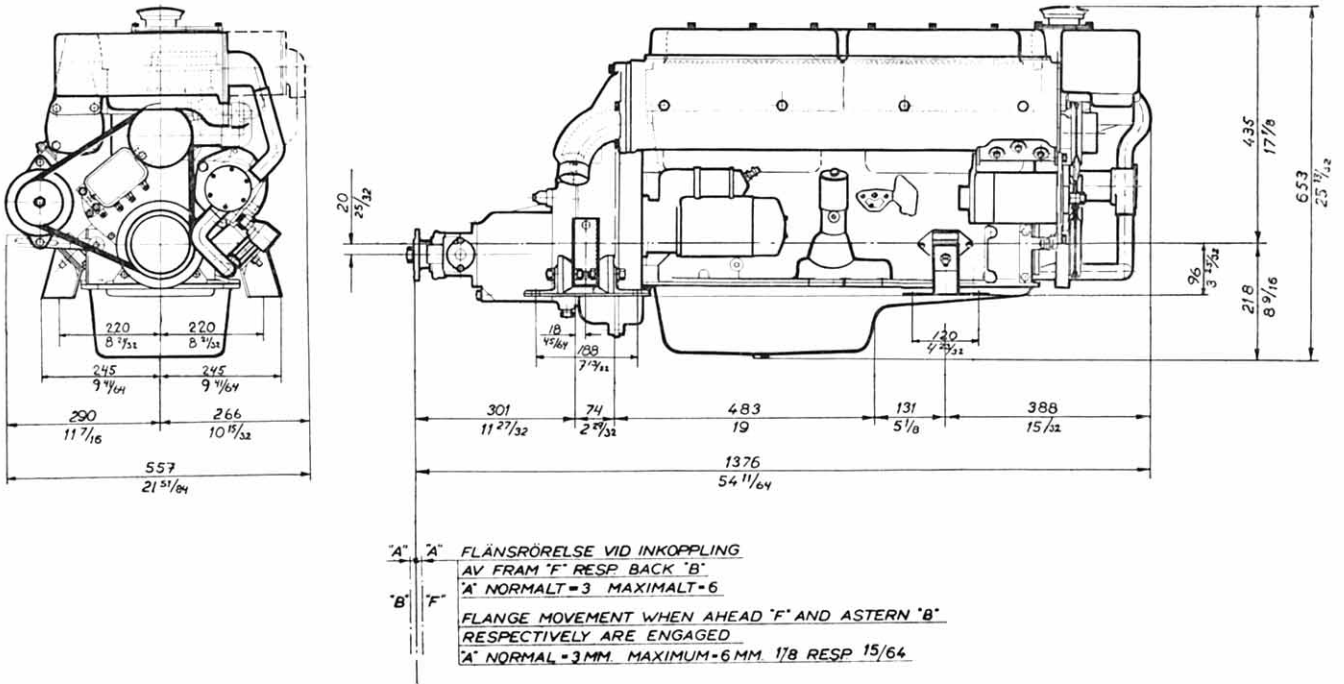
Seven-bearing crankshaft—a guarantee of long operational life and vibration-free running. Thermostatically controlled fresh water cooling. Fully water-cooled exhaust manifold outlets and exhaust manifold bend. Fuel injection pump with distributing type single plunger injection pump and fitted with a hydraulic governor and built-in feed pump. Combustion chambers designed after the Ricardo turbulence chamber system with glow plug. Oil cooler which can be easily cleaned. Fullflow "Spin-On" type lubricating oil filter. 12 V electrical equipment with 240 W (max. 360 W) dynamo and 2.7 h.p. starter motor. Instrument panel with electrical revolution counter, electrical temperature gauge, control lamps for oil pressure and charging, and stop control. All electrical wires are mounted in a plug-in cable between the engine and the instrument panel. This simplifies installation very much.

MD 27 is supplied with Volvo Pentas mechanical reduction reverse gear, reduction ratio 1.9:1, or a hydraulically operated reverse gear, type "Velvet Drive" (Borg Warner), with ratio 1.9:1 (right-hand rotation), 2.1:1 and 2.9:1 (left-hand rotation).



VOLVO PENTA MARINE DIESEL ENGINE, TYPE MD 27

Dimension drawings



DATA

- Max. output (SAE), pleasure boats . . . 83 h.p. at 4000 r.p.m.¹⁾
- Continuous net output (SMMT),
work boats 57 h.p. at 3000 r.p.m.
- Type of engine 4 stroke
- No. of cylinders 6
- Displacement, total litres (cu.in.) 2.72 (166)
- Bore, mm (in.) 85 (3.35)
- Stroke, mm (in.) 80 (3.15)
- Valve arrangement overhead
- Weight, approx. kg (lb.) 315 (693)

¹⁾ Max. permissible engine speed during 1 hour — 4000 r.p.m.
 " " " " " more than 1 hour — 3800 r.p.m.

AB VOLVO PENTA

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Cables: Penta