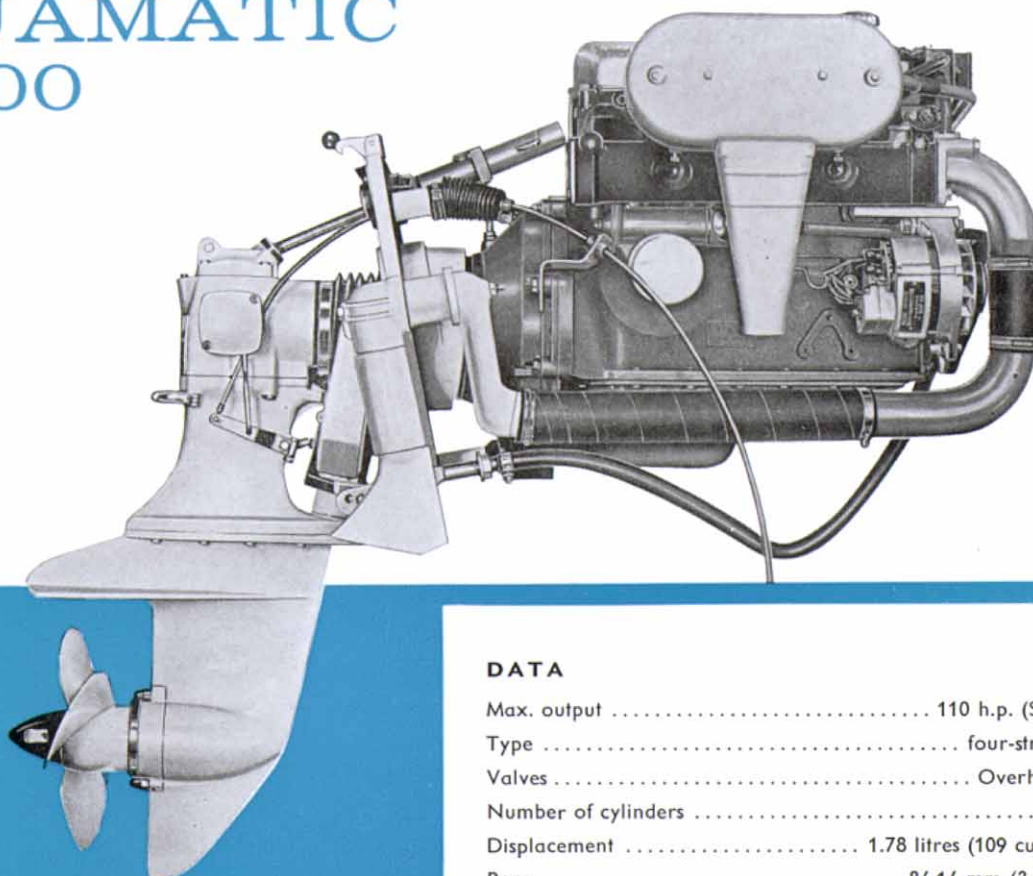




The Volvo Penta Aquamatic 110/100 is the version of the inboard engine/outboard drive which has completely dominated the market concerning marine engines for high-speed boats. This new version of the Aquamatic 110/100 embodies several significant improvements. Standard equipment on the engine now includes a 12 V 38 A alternator which charges the battery even at idling speed. Its fully enclosed slip rings make it absolutely spark-proof. The relay system is fully transistorized and provides precision current and voltage control. One or more alternators can charge the same battery or system of batteries. The master switch is now located on the engine itself. This means that the engine casing must be opened before the engine is started, providing ventilation of the engine compartment. The ignition coil, with its cover of alkyd resin, is completely moisture-proof. Two horizontal Zenith-Stromberg carburettors give the engine a lower profile and even more compact dimensions. These carburettors also result in a high output and outstandingly good fuel economy and are fitted with a new type of hyper-effective air cleaner of the intake silencer/flash arrester model. A coating of transparent varnish has been applied over the ordinary engine finish and this, together with the special marine treatment of certain vital components, provides excellent protection against corrosion.

The Volvo Penta Aquamatic is a marine engine which more than satisfies the severe demands every boat-owner has the right to make. The Aquamatic represents the ultimate in dependability, performance and good fuel economy.

VOLVO PENTA INBOARD ENGINE WITH OUTBOARD DRIVE AQUAMATIC 110/100

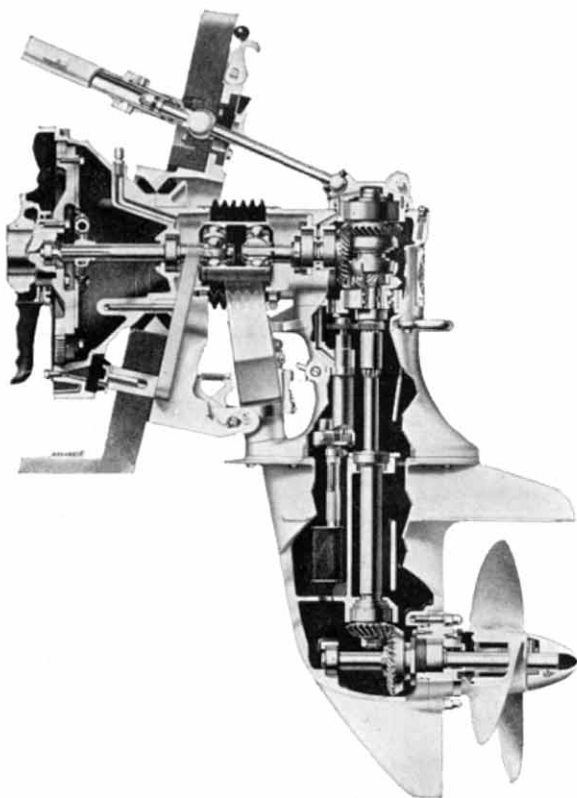


Standard equipment includes: Instrument panel with electric revolution counter, electric temperature gauge, warning lamps for charging and oil pressure.

DATA

Max. output	110 h.p. (SAE)
Type	four-stroke
Valves	Overhead
Number of cylinders	4
Displacement	1.78 litres (109 cu.in.)
Bore	84.14 mm (3.31")
Stroke	80 mm (3.15")
Compression ratio	10:1
Total weight	210 kg (465 lb.)

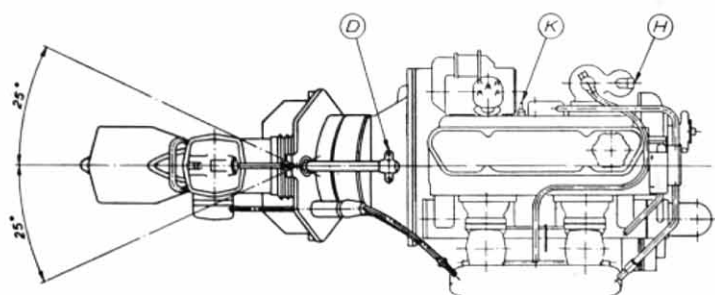
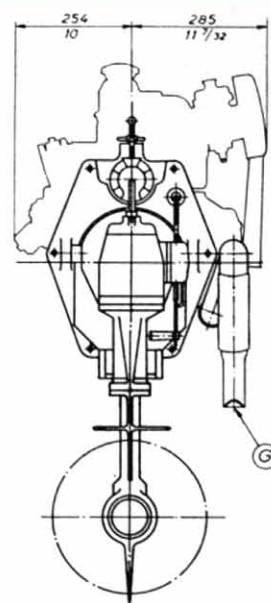
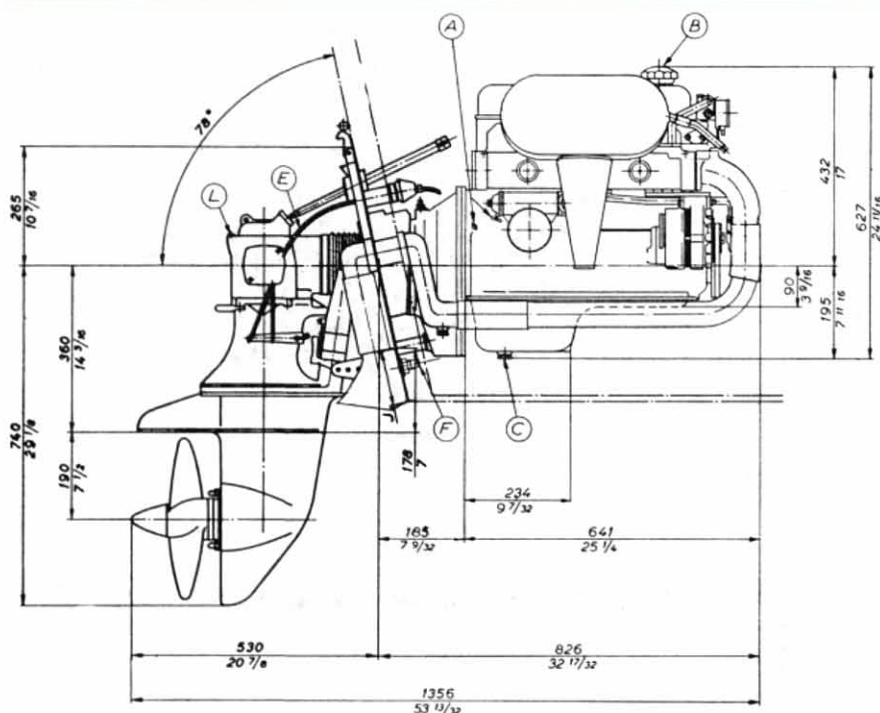
All the electrical cables are combined to form one single cable harness between the engine and the instrument panel with a plug-in-connector about 1.5 m (5 ft.) from the engine — this facilitates installation to a great extent.



THE AQUAMATIC OUTBOARD DRIVE MODEL 100

- a well-tested outboard drive

The Volvo Penta outboard drive Model 100 has been produced in numbers exceeding 30,000 which have been installed in the most widely varying types of boats all over the world. The Aquamatic outboard drive Model 100 is fitted with the Silent-Shift — the patented Volvo Penta cone clutch system — see the illustration. Gear engagement is smooth, quiet and gentle. The spiral-cut teeth on all the gears also contribute to the quiet running. Power transmission is through the medium of a pressure-lubricated universal joint. A gear type lubricating oil pump operates even when outdrive is in neutral position. The oil dipstick has a high-level location and permits checking and topping-up with oil without it being necessary to take the boat up on the slips. The drive can tilt up to an angle of 60° and can also be fitted with an electric-hydraulic lift device. An effective anti-corrosion device in the form of a zinc ring is fitted between the propeller and the underwater housing. All external bolts and polished parts are made of stainless steel. The Aquamatic outboard drive Model 100 in combination with a Volvo Penta engine makes up a unit that has been tested and used for more years than other inboard/outdrive marine power pack.



- A Water drain plug
- B Oil filler
- C Oil drain plug
- D Connection for rudder cable
- E Gear shift cable
- F Throttle cable to carburettors
- G Exhaust outlet
- H Connection for fuel line, ext. 5/16"
- K Oil dipstick, engine
- L Oil dipstick, outboard drive

Dimensions in mm and inches



AB VOLVO PENTA

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