



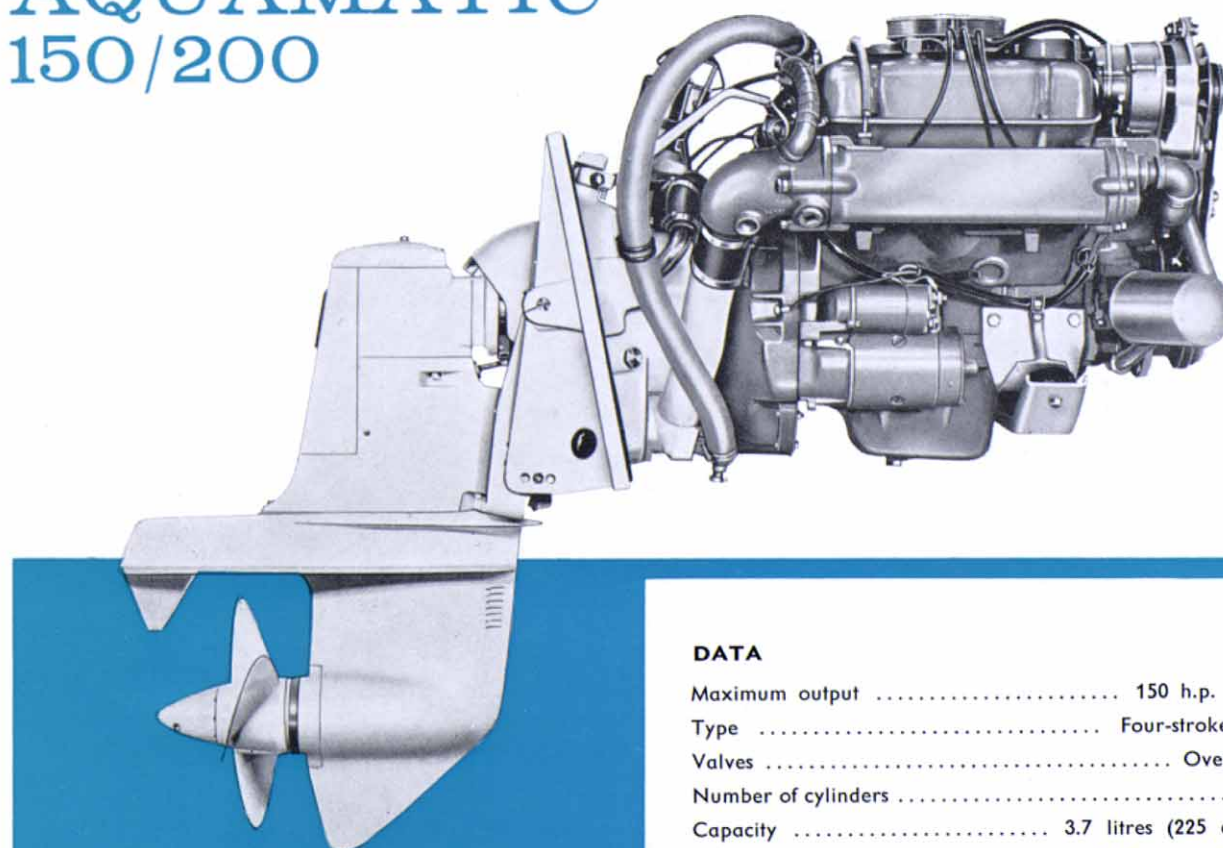
The new Aquamatic 150/200 is a supplement to the other Volvo Penta marine engines. The six-cylinder V-engine with an output of 150 h.p. SAE is outstandingly compact and has a very low weight in relation to its power — the complete engine and outboard drive weigh only 322 kg (710 lb.). The engine has exceptionally low fuel consumption and smooth, vibration-free operation.

The equipment includes such valuable features as an alternator which charges the battery even at idling speed, overhead valves with hydraulic valve lifters, twin-barrel Rochester carburetor, sealed crankcase ventilation, completely water-jacketed exhaust manifold, stainless expansion plugs in the cylinder block and a fuel pump fitted with a filter. The engine is also fitted with hyper-effective thermostat-controlled sea-water cooling with two water pumps, one of these being a circulation pump. The oil is cleaned in an easily replaceable full-flow filter.

The Aquamatic 200 outboard drive is the exceptionally successful result of many years research. The drive has an attractive appearance and is completely clean with all the controls built in. The underwater section has an advanced hydrodynamic design which provides freedom from cavitation at high speed and allows the engine output to be fully utilized. Installation of the drive is facilitated by having the exhaust and cooling water connections right through the drive so that only one hole is needed in the transom.

The Aquamatic 150/200 is a marine power unit which more than satisfies the demands of today concerning design, performance, function and dependability.

## VOLVO PENTA INBOARD ENGINE WITH OUTBOARD DRIVE AQUAMATIC 150/200

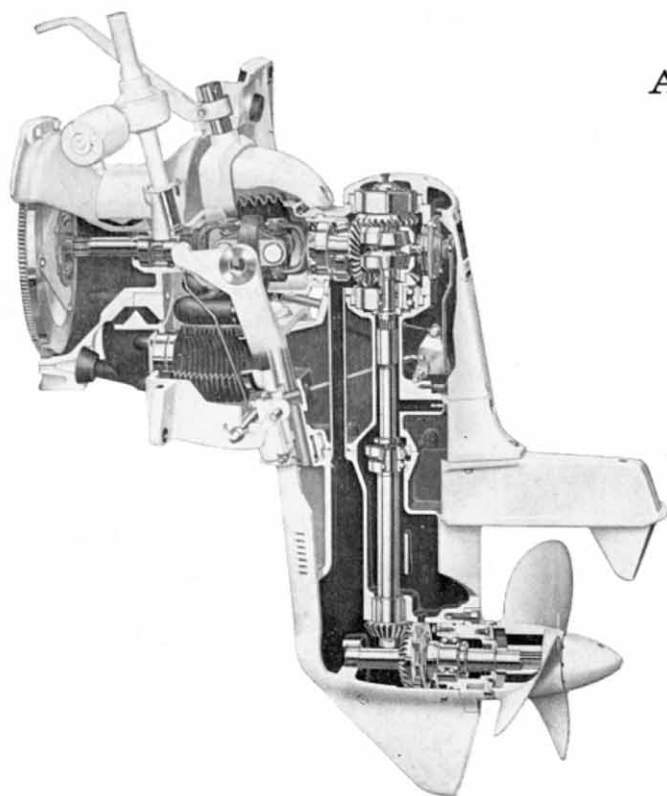


Standard equipment includes: Instrument panel with electric revolution counter, electric temperature gauge, warning lamps for charging and oil pressure.

### DATA

Maximum output .....	150 h.p. (SAE)
Type .....	Four-stroke V 6
Valves .....	Overhead
Number of cylinders .....	6
Capacity .....	3.7 litres (225 cu.in.)
Bore .....	95.25 mm (3.750")
Stroke .....	86.36 mm (3.40")
Alternator .....	12 V, 38 A
Ratio, 200 B drive (ahead and astern) .....	1.59:1
Weight, approx. ....	322 kg (710 lb.)

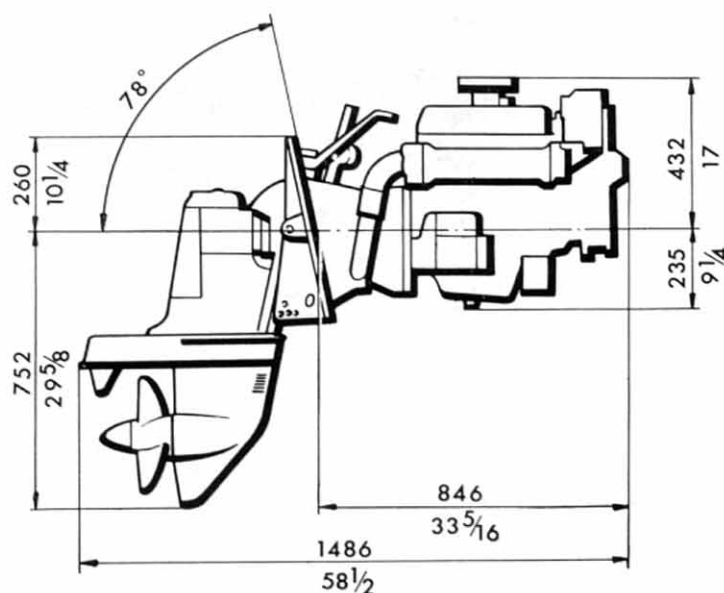
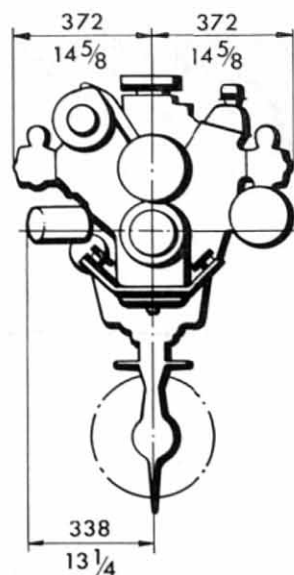
All the electric cables are in the form of one single cable harness between the engine and the instrument panel and with a connector about 1.5 m (5 ft.) from the engine — this facilitates installation considerably.



## AQUAMATIC outboard drive model 200

The Aquamatic 200 outboard drive characterizes the advanced position held by Volvo Penta concerning outboard drives for inboard engines. The well-considered design is the result of the vast experience acquired by Volvo Penta, tests extending over many years and also extensive laboratory tests. The construction of the drive with clean unbroken surfaces gives it an attractive appearance and also makes it easy to keep clean. The exhaust outlet, cooling water inlet and outlet and also the control cables pass through the drive itself — this means that only one hole is necessary in the transom. The drive is fitted with the "Silent Shift" mechanism — a quiet-operating cone clutch patented by Volvo Penta. Power transmission is through a robustly dimensioned universal joint which requires no servicing. Standard equipment also includes an electric-mechanical lift which raises the drive to an angle of  $65^\circ$  and permits operation at low speed in shallow water with the drive partly tipped up. A special locking device prevents the drive from tilting up if the throttle is opened suddenly but, at the same time, permits the drive to tilt up should it come into contact with some underwater obstacle. In addition to this the outboard drive model has room for a 15" propeller and is available for both right-hand and left-hand rotation. An effective anti-corrosion device is located beside the propeller.

### DIMENSIONS DRAWING



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