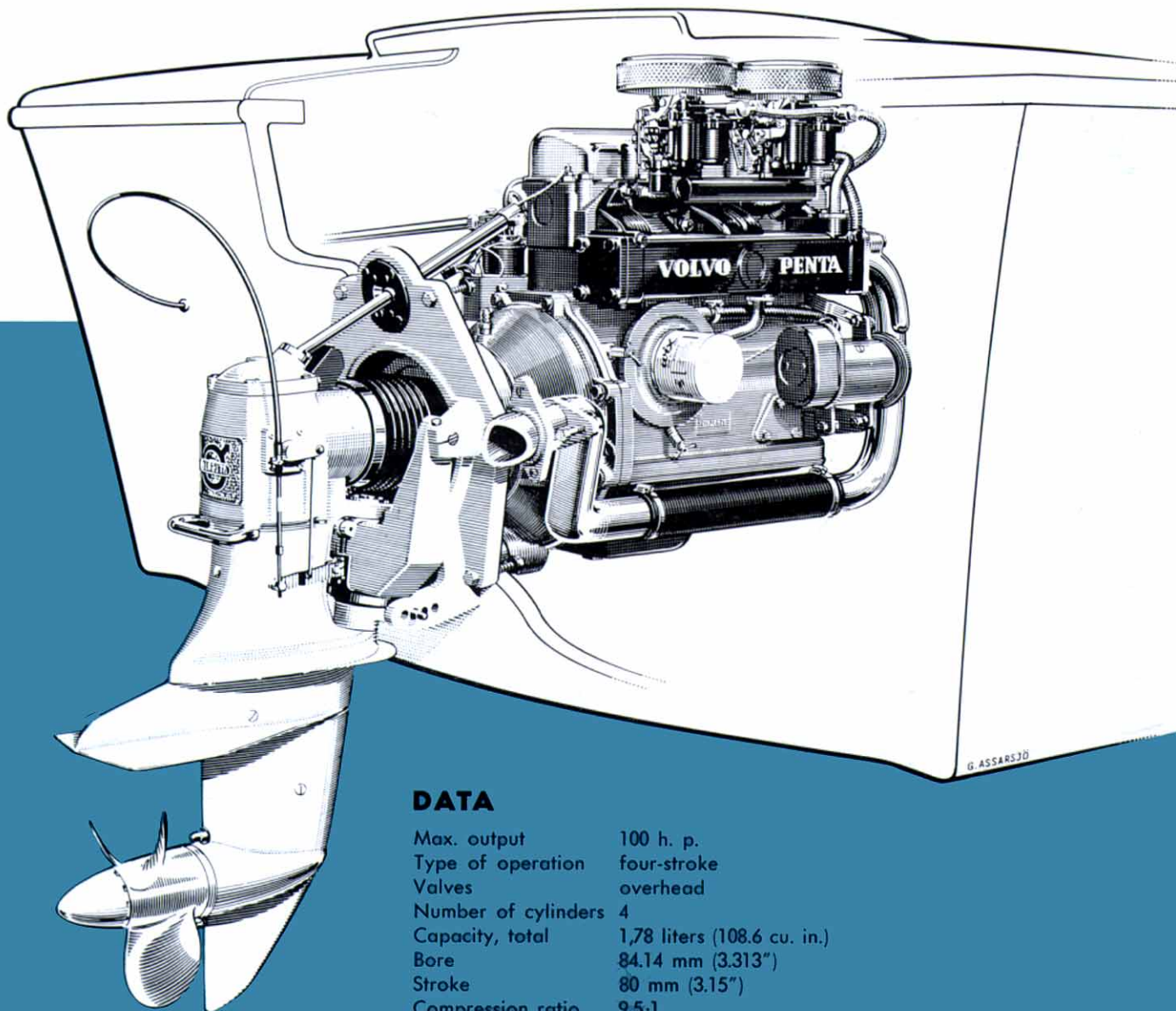


# AQUAMATIC **100**



## DATA

Max. output	100 h. p.
Type of operation	four-stroke
Valves	overhead
Number of cylinders	4
Capacity, total	1,78 liters (108.6 cu. in.)
Bore	84.14 mm (3.313")
Stroke	80 mm (3.15")
Compression ratio	9.5:1
Total weight	210 kg (465 lbs)

- Cuts fuel cost over 50 %
- More speed — more power for your money
- Easy trailing and beaching
- Rugged 100 h. p., 4 cycle engine
- Needs no expensive oil mixture
- Inboard economy — outboard mobility
- More elbowroom in your boat
- Easy to install.

Volvo Penta introduces for 1962 the Aquamatic 100, companion model to the famous Aquamatic 80, the first inboard-outboard engine to be marketed successfully.

The 100 hp Aquamatic opens new and greater frontiers to inboard-outboard propulsion since it is capable of powering boats up to 24 feet in single installations and up to 30 or more feet in duals.

The Aquamatic 100 has two major components — engine and drive. The 4 cylinder, inboard engine develops 100 horsepower. The economy of operation will amaze you as the average fuel consumption is less than half that of outboard engines of comparable power.

The outboard drive of the Volvo Penta Aquamatic steers and overcomes underwater hazards in the same way as conventional outboards. The entire unit tilts up easily and locks in place for convenient trailing and launching. And the quick handling response of propeller steering and single lever control is yours with Aquamatic.



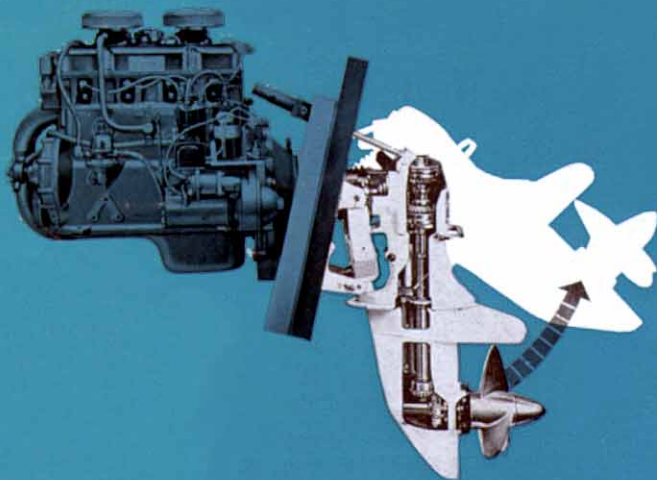


# AQUAMATIC

THE INBOARD ENGINE WITH THE OUTBOARD DRIVE

# 100

The complete Volvo Penta Aquamatic 100 includes the following standard equipment: Instrument panel with electric tachometer, oil pressure indicator and electric cooling water thermometer, key switch, starter button, charging control lamp, dash light and 23' wire harness... complete exhaust system and water intake system and tool kit.



## THE OUTBOARD DRIVE

It propels, steers, and tilts up. The sparkling performance of Aquamatic-equipped pleasure craft is attributed to the years of engineering experience that went into the design of this unit. It also assures owners that the Aquamatic can take rough treatment. There is no need to pamper the unit.

## THE ENGINE

The Volvo Penta gasoline engine is a 4 cylinder, 4 cycle, 100 h p power-plant built in the tradition of fine Swedish craftsmanship.

Sensational economy of operation, quick starting, low weight and compact design are features which make it the ideal unit for your boat.

*Cylinder block* of special-alloy cast-iron, cast integrally with the crankcase.

*Cylinder head* of special-alloy cast-iron with high degree of heat resistance.

*Oil pan* of steel, permits inclination of 18° while engine is running.

*Pistons* of chill-cast light-alloy each with two compression rings and one oil control ring. Upper compression ring chromed.

*Connecting rods*, drop-forged, case-hardened. Lead-bronze lined connecting rod bearings, easily replaceable.

*Crankshaft*, drop-forged, powerfully dimensioned, dynamically balanced and carried in five bearings. Lead-bronze lined main bearing shells, easily replaceable.

*Camshaft* of special cast-iron with flame-hardened cams. Quiet-running fiber timing gears.

Valves of heat-resistant special steel.

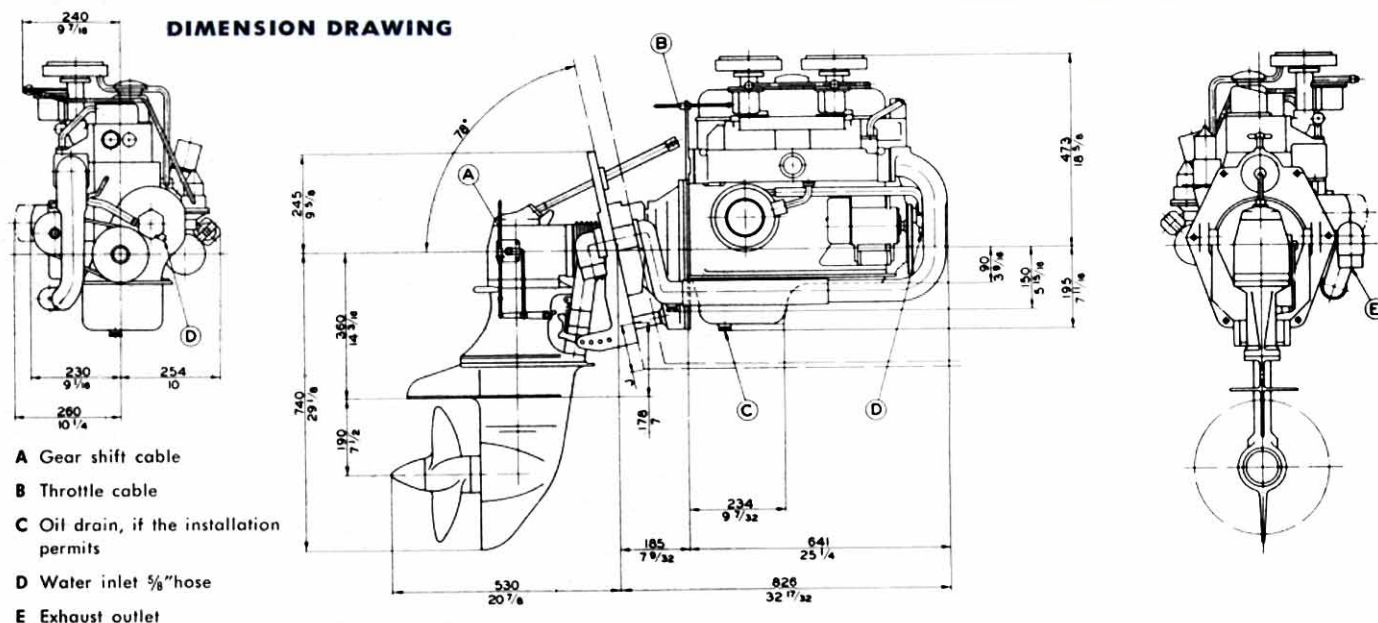
*Fuel system*. Two down-draft carburetors. Fuel pump with filter and water deflector. Pump driven from camshaft.

*Lubricating system*. Pressure lubrication. Oil to all the lubricating points passes through a full-flow oil cleaner with a replaceable element combined with an oil cooler.

*Cooling system*. Sea-water cooled. Engine temperature automatically regulated by means of thermostat.

*Electrical system*. 12 volt battery ignition. 1.0 h p starter motor. Generator with built-in relay, continuous output 75 W.

## DIMENSION DRAWING



**AB VOLVO PENTA**

P. O. BOX 392

GÖTEBORG SWEDEN