



P 1800



1958
SPECIFICATIONS

VOLVO P 1800

Engine. The engine for the Volvo P 1800, which is of completely new design, has the following specifications:

Four-cylinder overhead-valve engine
 Bore = 3.313" (84.14 mm)
 Stroke = 3.15" (80 mm)
 Capacity = 108.5 cu.in. (1.78 liters)
 Compression ratio = 9.5:1
 Max. output = 100 b.h.p. (SAE) at 5500 r.p.m.
 Max. torque = 108 lb.ft. (15 kgm) at 4000 r.p.m.

Twin 1³/₄" horizontal carburetors. Crankshaft carried in five lead-bronze bearings, surface-hardened journals. The cylinder head has separate induction ports and special cooling through a water distributing tube. Full-flow oil filter and oil cooler standard.

Clutch: 8¹/₂" single dry plate clutch with hydraulic control system.

Transmission: Four-speed, fully synchronized transmission.
 Ratios: 1st 3.13:1 4th 1:1
 2nd 1.99:1 Reverse 3.25:1
 3rd 1.36:1

An electrically operated overdrive is available as optional extra. Ratio: 0.756:1.

Propeller shaft: Divided propeller shaft for vibration-free operation. The center bearing is suspended in vibration and sound insulating rubber blocks. Sealed ball bearing in center bearing.

Rear axle: Hypoid type rear axle. Ratio: 4.1:1 or 4.56:1 when overdrive fitted.

Steering system: Cam and roller type. Ratio: 15.5:1. 3¹/₄ turns of steering wheel from lock to lock. Turning circle diameter approx. 31 ft. (9.5 m).

Suspension:

Front: Independent suspension with coil springs and control arms. The control arms are carried in rubber bushings and ball joints. Stabilizer bar.

Rear: Coil springs above rear axle which is carried in rubber-mounted support arms, torque arms and track rod.

Double-acting, hydraulic, telescopic shock absorbers front and rear. For constant operation even when driving fast on bad roads, each shock absorber has a freon-filled nylon cell.

Brakes: Servo brake with 5¹/₂" servo cylinder.

Front: Splash-protected, self-adjusting disk brakes of the three-cylinder type with 10⁷/₈ x 1¹/₂" disks. Liberally dimensioned brake friction area of 14.33 sq.in. (92.5 cm²) on each front wheel.

Rear: Self-centering hydraulic 9 x 2" V-type drum brakes (leading and trailing). Brake friction area 34.5 sq.in. (223 cm²) on each rear wheel.

The handbrake operates separately on the rear wheels.

Wheels and tires: Pressed steel wheels (4¹/₂ J x 15). High-speed type, braced-tread tires, 165-380.

Body: Integral construction, all-welded steel body. Two-door, two-seater with two occasional seats. The body and other sheet metal components are rust-proofed.

Fuel tank: Located at the rear. Capacity 12 US gallons = 10 Imp. gallons (45 liters).

Electrical equipment: 12-volt battery with a capacity of 58 amp. hrs. 30-amp. fan-cooled generator with automatic voltage control. 1 h.p. starter motor. Starting switch combined with ignition switch. Special "radio" position for ignition switch allowing use of all electrical accessories even when engine is not running. Tamper-proof armored

cable between ignition switch and starter motor. Powerful headlights with external flashers. Foot dimmers switch. Direction indicator controlled by steering wheel. Stop and tail lights with type direction indicator and audible warning device. Twin horns and extra

Instruments and optional equipment: Speedometer (0-125 m.p.h.), mileometer (0-7000), fuel gauge for water and fuel gauge and electric lamp. Indicator lamps for Rheostat-controlled instrument wheel with recessed hub wheel hub with lever for shift lever. Centrally located shift lever.

Other equipment: 2 windshield-wipers. Electric defroster. Thermostat-controlled separate defroster control for summer vent sun visors and instrument cigarette lighter. Comp

Principal dimensions

Wheelbase
 Track, front
 Track, rear
 Overall length
 Overall width
 Overall height,
 Ground clearance

The factory reserves the right to



AB VOLVO

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 GÖTEBORG · SWEDEN

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