

# VOLVO P 1800 S



# SPECIFICATIONS VOLVO P 1800 S

## Engine, type B 18 B

Four-cylinder with overhead valves and five-bearing crankshaft. Fully machined combustion chambers. Separate inlet and exhaust ports.

|                   |                                 |
|-------------------|---------------------------------|
| Bore              | 3.313"                          |
| Stroke            | 3.15"                           |
| Displacement      | 1780 cc./109 cu.in.             |
| Compression ratio | 10.0:1                          |
| Max. output       | 108 h.p. (SAE) at 5800 r.p.m.   |
| Max. torque       | 110 lb.ft. (SAE) at 4000 r.p.m. |
| Carburetors       | Twin SU horizontal              |
| Oil filter        | Full-flow type                  |
| Oil cooler        | Heat exchanger type             |

## Cooling system

Capacity ..... approx. 4.5 quarts  
Circulation thermostatically controlled.  
Oil cooler (see engine).

## Battery

|          |       |
|----------|-------|
| Voltage  | 12 V  |
| Capacity | 60 Ah |

## Generator

Fan-cooled and with automatic voltage control.  
Effect ..... max. 360 W

## Starter motor

Output ..... 1 h.p.  
Starter contact in ignition lock. The lock also has a position whereby all the electrical equipment with the exception of the engine can be switched on. The ignition lock and coil are connected by means of an armored cable.

## Clutch

Single dry disc, hydraulically controlled.  
External diameter of disc 8½".

## Transmission

Fully synchronized; needle bearings.  
Short floor-mounted gear lever.

|         |           |        |
|---------|-----------|--------|
| Ratios: | 1st speed | 3.13:1 |
|         | 2nd "     | 1.99:1 |
|         | 3rd "     | 1.36:1 |
|         | 4th "     | 1:1    |
|         | Reverse   | 3.25:1 |

## Overdrive (extra equipment)

Electrically controlled. Operates on fourth speed.  
Ratio ..... 0.756:1

## Drive shaft

Divided for vibrationless running.  
Three universal joints mounted in needle bearings and one maintenance-free intermediate bearing mounted in rubber.

## Rear axle

Hypoid final drive.  
Ratio: Standard 4.1:1  
With overdrive 4.56:1

## Steering

Type cam and roller.  
Number of steering wheel turns from lock to lock 3¼  
Turning circle approx. 30 ft.

## Front wheel suspension

Independent suspension with rubber-mounted control arms and ball joints. Coil springs and stabilizers.

## Rear wheel suspension

Rigid rear axle carried on two longitudinal rubber-mounted support arms and two longitudinal rubber-mounted torque rods.  
Transverse location of axle by means of a track rod. Coil springs.

## Shock absorbers

Double-acting, hydraulic, telescopic shock absorbers at front and rear. For constant damping during hard driving on bad roads the shock absorbers have freon-filled nylon containers.

## Footbrake

Hydraulic brakes with vacuum servo-assistance.

## Front:

Discs. Splash protected and self-adjusting.  
Brake disc (diameter × thickness) 10½ × ½"

## Rear:

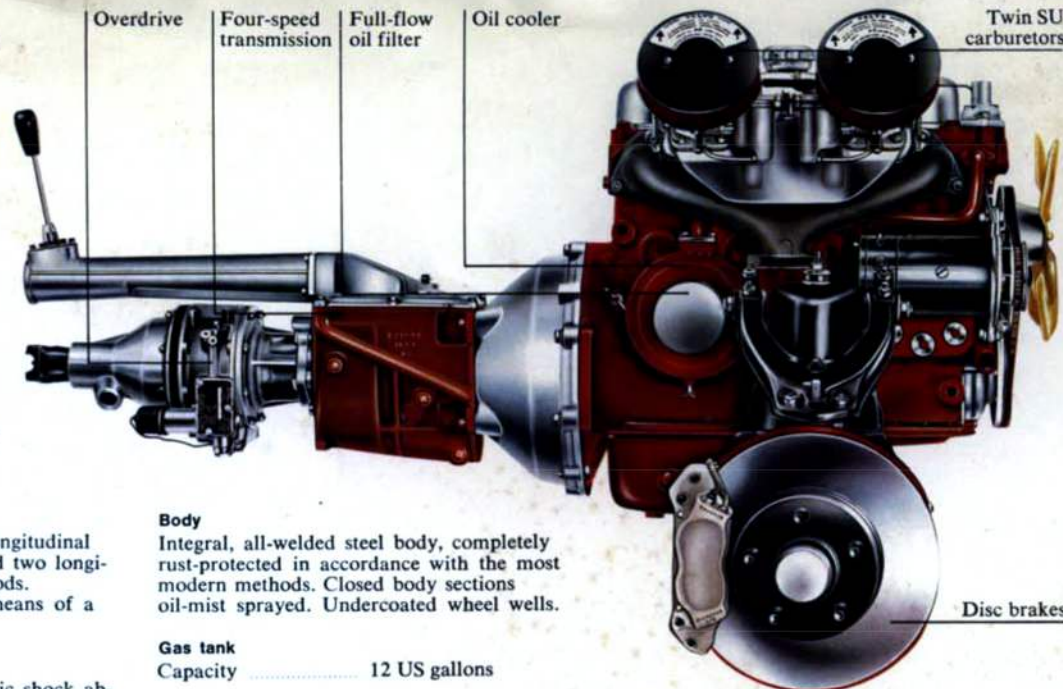
Drums of the V-type. Self-centering.  
Brake friction area per wheel ..... 32.5 sq.in.

## Handbrake

Operates mechanically on rear wheels. Brake lever placed between driving seat and door.

## Wheels and tires

Pressed steel wheels. All wheels balanced.  
Rim size 4½J × 15"  
Braced-tread type sports tires (with tubes)  
Size ..... 165 mm—15"



## Body

Integral, all-welded steel body, completely rust-protected in accordance with the most modern methods. Closed body sections oil-mist sprayed. Undercoated wheel wells.

## Gas tank

Capacity ..... 12 US gallons

## Lighting equipment

Standard seal beam headlights. Turn indicators front and rear. Stop and rear lights with built-in reflectors. Back-up light. The interior lighting is switched on automatically when either of the doors is opened. Adjustable instrument lighting. Underdash map-reading light.

## Instrumentation

Speedometer with odometer and trip meter. Tachometer. Water and oil temperature gauges. Oil pressure gauge. Fuel gauge. Warning lamps for battery charging, high-beam headlights, directional signals and overdrive. Clock.

## Other equipment

Town and country horn. Foot dipper switch. Direction indicator lever with automatic return. Fresh air heater and defroster. Heating thermostatically controlled. Two-speed ventilation fan. Separate air intakes for ventilation in hot weather. Two-speed electric windshield wipers. Electric windshield washer. Two padded

sun visors. Dazzle-free rear view mirror. Accommodation for radio. Map and glove compartments under dash. Cigarette lighter. Ashtray. Tool equipment and jack. Spare wheel.

## Safety belts

Three-point Volvo safety belts fitted for both seats.

## Dimensions

|                          |                  |
|--------------------------|------------------|
| Wheelbase                | 96½"             |
| Tread                    | 51¾"             |
| Overall length           | 173¼"            |
| Overall width            | 67"              |
| Overall height unloaded  | 50½"             |
| Ground clearance approx. | 6"               |
| Curb weight              | approx. 2640 lb. |

*The factory reserves the right to alter the price, design and equipment without previous notification.*



**AB VOLVO** GÖTEBORG