

VOLVO 1800 S



Data sheet, Volvo 1800S

Two-Door, Two-Seat Sports Coupe

Engine

Type B18. Four cylinders, overhead valves, five-bearing crankshaft, twin horizontal carburetors with "Dual Induction" exhaust emission control system. Oil cooler. Full flow oil filter.

Bore 3.313 in.
Stroke 3.150 in.
Displacement 109 cu. in.

Maximum Output:

115 b.h.p. SAE at 6,000 r.p.m.

Maximum Torque:

112 ft. lb. SAE at 4,000 r.p.m.

Compression Ratio: 10.0:1

Transmission

Four-speed, fully synchronized with floor-mounted gearshift lever.

Ratios: 1st 3.13:1
2nd 1.99:1
3rd 1.36:1
4th 1.00:1
Reverse 3.25:1

Overdrive

Electrically operated on 4th gear by means of finger controlled lever mounted on steering column.

Ratio: 0.756:1

Rear Axle.

Hypoid type.

Ratio: 4.56:1

Cooling System

Sealed with anti-freeze. Coolant circulation by engine driven pump. Capacity 2½ gallons. Transparent expansion tank.

Fuel System

Twin horizontal carburetors supplied by mechanical pump. Tank capacity 11¾ gallons.

Electrical System

Voltage 12 V
Battery capacity 60 amp. hrs.
Generator output max. 360 W
Starter motor output 1 h.p.

Brake System

Footbrake. Power assisted dual circuit brake system. (Warning light turns on if one circuit fails.) Special rear wheel pressure relief valves assure maximum stability during emergency stops.

Front: Self-adjusting 10.9 in. discs

Rear: Self-centering 9 in. drums

Effective swept brake area: 339 sq. in.

Parking Brake. Mechanically operated on rear wheel drum brake system. Warning light on dashboard. Quick release handbrake lever located between driver's seat and door.

Wheels and Tires

Balanced pressed steel wheels with safety rims. Stainless steel hubcaps. High-performance, wide-base, low profile, radial tires with tubes. Rim size: 4½ x 15"
Tire size: 165 SR 15"

Chassis

Front Suspension. Independent with rubber-mounted control arms and ball joints. Anti-sway bar. Coil springs with telescopic shock absorbers. No lubrication of front suspension and drive shaft components is required for the life of the car.

Rear Suspension. Solid rear axle carried by longitudinal rubber-mounted control arms and torque rods. Transverse location by rubber-mounted track rod. Coil springs with telescopic shock absorbers.

Steering. Cam and roller type with 3¼ turns lock to lock.

Turning circle:

Between curbs 29' 10"
Between walls 32' 10"

Body

Integral all-welded steel. Completely rust-proofed and undercoated. Passenger compartment surrounded with boxed steel members.

Instrumentation. Speedometer, odometer, trip-meter. Tachometer. Fuel, water temperature, oil temperature, oil pressure gauges. Generator, headlight beam, directional signal, over-drive warning lights. Electric clock. Emergency flashers. Brake warning light.

Other standard equipment. 7-way adjustable bucket seats. Three point safety belts. Padded dashboard and sun visors. Passenger assist handle. Leather upholstery. Rear jump seat. Thermostatically-controlled heater and defroster system with two-speed electric blower. Twin fresh air intakes. Two-speed electric windshield wipers with windshield washers. Automatic back-up lights. Variable instrument lighting. Separate interior and map reading lights. Side reflectors. Exterior and interior rear view mirrors. Cigarette lighter. Ashtray. Locking gas cap. Tool kit and jack.

Optional Equipment. Includes: Air conditioning. Radios. Roof racks. Ski racks. Limited slip differential. Reclining seat. Headrests... and a wide variety of other equipment designed to tailor-make a Volvo to your individual requirements.

Dimensions and Weights

Wheelbase 96.5
Track, front and rear 51.7
Width 67.0
Length 173.3
Height 50.5
Curb weight (approx.) 2460 lbs.

The factory reserves the right to make changes at any time, without notice, in prices, colors, materials, equipment, specifications and models and also to discontinue models.