

# VOLVO

122 S TWO-DOOR



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Speedy, smart two-door Volvo 122 S with the new B 16 engine and fully synchronized transmission.

The Volvo 122 S has a thoroughly modern, basic design. Steel material specifications and rigorous control and inspection during manufacturing insure dependability, long wearing strength and lasting value. • The new B 16 engine has an ingenious turbo-charger design. Turbo-charger's separate intake ports and fully machined combustion chambers are a few of the features included. These have given the engine a very high degree of efficiency, great output and excellent oil-burner cover.

The front seat backrest can be easily adjusted to three different positions. For safety reasons, they are mechanically locked in the front and rear positions. When the seats are tipped forwards there is plenty of room for access to the rear seat. The two-door Volvo 122 S has an outstandingly comfortable rear seat. The comfort of the ride has built-in aids. Dual-leaf ventilation is created by opening the rear side windows slightly.



## B 16 engine

Four-cylinders, overhead valves, five-bearing crankshaft. Bore ..... 1.317" (34.14 mm)  
Stroke ..... 1.387" (35 mm)  
Capacity ..... 1.73 liters  
Compression ratio ..... 8.5:1  
Max. output ..... 95 hp (SAE) at 5200 r.p.m.  
Max. torque ..... 122 lb. ft. (16.3 kgm) (SAE) at 3500 r.p.m.  
Consumers ..... Two U.S. Gallons per hour (at 55 mph)

## Cooling system

Highly effective radiator. Thermostat-operated water circulation with bypass valve.

## Battery

Voltage ..... 12 V  
Capacity ..... 42 amp./hour

## Generator

Far-advance with automatic voltage control.  
Output ..... approx. 20 A

## Starter motor

Output ..... 1.5 hp.  
The starter switch is combined with the ignition switch which has also an extra position in which all the electric equipment can be used with the engine at rest running. There is a temperature-actuated cable between the ignition switch and the ignition coil.

## Clutch

Hydraulically operated 8½" single dry plate clutch.

## Transmission

Four-speed, fully synchronized and silent running transmission with a control lever shift lever.

Ratios		1st	.....	1.34:1
2d	.....	1.55:1		1.1
3d	.....	1.59:1		1.1
4th	.....			Reverse
				..... 3.25:1

## Propeller shaft

Divided for vibration-free operation. The center bearing is mounted in rubber bushes to damp noise and vibration. Center ball bearing lubricated for life.

## Rear axle

Typical type  
Ratio ..... 4.2:1

## Steering gear

Cast and roller type.  
Steering axis ratio ..... 13.0:1  
Number of turns left lock to right lock ..... 3 1/2  
Turning circle ..... approx. 32 ft. (9.8 m)

## Front suspension

Independent suspension with coil springs and control arms connected to rubber bushings and ball joints. Strut lever.

## Rear suspension

Fixed longitudinal support arms, torque rods and track bar. Coil springs.

## Shock absorbers

Dual-acting, hydraulic telescopic shock absorbers front and rear.

## Wheels and tires

Pressed steel wheels, all in special "Subsidiary 330-17" line.

## Footbrake

Front: hydraulic disc brakes of three-cylinder type. Brake protected and self-adjusting.  
Rear: Drum. Brake friction area on each front wheel 125 sq. in. (8.1 dm<sup>2</sup>).  
Drum friction area on each rear wheel 125 sq. in. (8.1 dm<sup>2</sup>).

## Steers

Volvo drum brakes. Hydraulic and self-adjusting. Brake friction area on each rear wheel 125 sq. in. (8.1 dm<sup>2</sup>).

## Handbrake

Operates separately on rear wheels. Handbrake lever located beside driving seat.

## Body

Integral construction, all-welded steel body, full tank protected by modern methods.

## Fuel tank

Located at rear.  
Capacity ..... 12.05 gallons (45.2 liters) (U.S. l. lit.)

## Lighting

Flashing directional indicators front and rear with optical anti-glare warning signal. Combined stop and tail light. The internal light goes on when either of the doors is opened. Thermostat-controlled instrument lighting. Map-reading lamp.

## Instrumentation

Combined instrument including speedometer, fuel gauge, water temperature gauge. Externally and trip meter. Warning lamps for battery charging, oil pressure, oil level, directional indicators.

## Other standard equipment

High ring and steering wheel. Fuel shutoff switch. Directional indicator switch with automatic return. Heater/demister installation. Heater and thermostat controlled. Low-speed heater fan with two speeds. Electric wind shield wipers with four speeds and automatic parking. Heater for windshield washers. Tilt position for vertically adjustable. Dual-leaf rear view mirror. Adjustable for radio and loudspeaker. Cigarette lighter. Ash-tray front and rear. Tool kit and jack. Spare wheel.

## Attachments for safety belts

Standard equipment includes attachment for safety belts front and rear.

## Principal dimensions and weight

Wheelbase	.....	102 1/2" (2602 mm)
Track, front	.....	51 1/2" (1313 mm)
Track, rear	.....	51 1/2" (1313 mm)
Overall length	.....	175 1/2" (4450 mm)
Overall width	.....	63 1/2" (1620 mm)
Overall height, standard	.....	35 1/2" (902 mm)
Curbed weight	..... approx.	2267 lbs (1030 kg)

The factory reserves the right to modify prices, design and equipment.

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## Importers

**VOLVO IMPORT, INC.**, 422 Hudson Terrace, Englewood Cliffs, New Jersey

## Distributors

**VOLVO DISTRIBUTING, INC.**, 433 Hudson Terrace, Englewood Cliffs, New Jersey

**SWEDISH MOTOR IMPORT, INC.**, 3301 West 12th Street, Houston, Texas

**VOLVO WESTERN DISTRIBUTING, INC.**, 1202 Riverside Drive, Sherman Oaks, Calif. in Canada:

**VOLVO (CANADA) LTD.**, Head Office: 401 Convent Road, Scarborough (Toronto), Ont. Branch Office: 1005 W. Georgia St., Vancouver, B. C.