



Data sheet, The Volvo 120 Series

SWEDISH MOTORS PTY. LTD.

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The Volvo 120 series includes many variations for individual requirements.

	Type designations
Volvo 121	85 b.h.p., four-speed gearbox 13134
Volvo 122 S	100 b.h.p., four-speed gearbox 13234
Volvo 123 GT	115 b.h.p., four-speed plus overdrive 13335

Station Wagon, four-door plus horizontally divided tailgate.

Volvo Station Wagon 121	85 b.h.p., four-speed gearbox 22134
Volvo Station Wagon 122 S	100 b.h.p., four-speed gearbox 22234

Engine

Type B 18. Four-cylinder with overhead valves and five-bearing crankshaft. Available in three models: 85 b.h.p., 100 b.h.p. and 115 b.h.p.

Capacity	1.78 litres (109 cu.in.)
Bore	84.14 mm (3.313 in.)
Stroke	80.00 mm (3.15 in.)

85 b.h.p. engine

Horizontal carburettor	
Maximum output	85 b.h.p. SAE at 5,000 r.p.m.
Maximum torque	15.0 kgm (108 lb.ft.) SAE at 3,000 r.p.m.
Compression ratio	8.7:1

100 b.h.p. engine

Two horizontal carburettors	
Maximum output	100 b.h.p. SAE at 5,700 r.p.m.
Maximum torque	15.0 kgm (108 lb.ft.) SAE at 3,500 r.p.m.
Compression ratio	8.7:1

115 b.h.p. engine

Two horizontal carburettors	
Maximum output	115 b.h.p. SAE at 6,000 r.p.m.
Maximum torque	15.5 kgm (112 lb.ft.) SAE at 4,000 r.p.m.
Compression ratio	10.0:1

COOLING SYSTEM

Sealed cooling system. Water cooling with pump and thermostat. Capacity approx. 8.5 litres (1³/₄ gallons).

ELECTRICAL SYSTEM

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

POWER TRANSMISSION

Diaphragm spring type clutch

Gearboxes

Four-speed, fully synchronized with floor-mounted gear lever or steering column change.

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

Four-speed plus overdrive. The same as the above plus an electrically controlled overdrive.

Overdrive ratio: 0.756:1

Rear axle. Final drive of hypoid type.

Ratio, cars:	
four-speed	4.1:1
four-speed plus overdrive	4.56:1
Ratio, Station Wagon:	
four-speed	4.56:1

CHASSIS

Steering gear

Cam and roller type

	Car Models	Station Wagon
Turning circle:		
Between kerbs	9.5 m (31'2")	10.6 m (34'9")
Between walls	10.1 m (33'2")	11.2 m (36'9")

Front suspension

Independent front wheel suspension in rubber-journalled control arms. Steering knuckles carried in ball joints. Coil springs. Stabilizer.

The Volvo 123 GT is also fitted with an alternator, revolution counter, braced tread tyres, fully reclining front seats, lighting units in luggage compartment and engine compartment, two extra headlights, two external rearview mirrors, sports car steering wheel, chromed wheel trim units, special shock absorbers, shelf above dashboard, etc.

Rear suspension

Rigid rear axle carried in longitudinal rubber-journalled support arms and torque rods. The axle is located transversely by means of a rubber-journalled track rod. Coil springs. The Station Wagon is also fitted with supplementary springs of the hollow rubber type.

Shock absorbers

Telescopic shock absorbers all round.

Brake system

Front: Self-adjusting disc brakes.

Rear: Self-centring drum brakes. (Drum diameter 9 in.)

A relief valve in the brake system prevents the rear wheels from locking in the case of emergency braking.

Cars with the 100 b.h.p. and 115 b.h.p. engines as well as the Station Wagon are also fitted with a brake servo-system.

None of the vehicles in the 120 series require greasing.

BODY

Integral construction, all-welded steel body, completely rust-proofed and treated with underbody sealing. Stiffening closed box profiles fitted round all body openings.

Fuel tank

Located at rear. Capacity approx. 45 litres (10 gallons).

Instrumentation

Speedometer, mileometer and trip meter, water temperature gauge and fuel gauge. Warning lights for oil pressure and charging. Indicator lights for headlight full beams and direction indicator flashers.

Lighting equipment

Asymmetrical dipped headlights. Automatic reversing lights. Headlight flasher. Continuously variable instrument lighting. Map-reading light.

Other equipment

Three-point, factory-installed safety belts on front seats, two-point type for bench seat. Attachments for three-point belt on rear seat. Laminated windscreen. Two-speed windscreen wipers. Windscreen washer. Thermostat-controlled heater system with large capacity, two-speed fan and warm air duct to rear seat. Dazzle-free rearview mirror. Trip meter. Cigarette lighter. Mud flaps. Spare wheel. Jack. Tools.

MAIN DIMENSIONS AND WEIGHTS

	Car models	Station Wagon
Wheelbase, mm (in.)	2,600 (102 ¹ / ₂)	
Track, front, mm (in.)	1,315 (51 ³ / ₄)	
Track, rear, mm (in.)	1,315 (51 ³ / ₄)	
Overall length, mm (in.)	4,440 (175)	4,460 (175 ¹ / ₂)
Overall width, mm (in.)	1,620 (63 ³ / ₄)	
Overall height, unladen, mm (in.)	1,105 (59 ¹ / ₄)	1,530 (60 ¹ / ₄)
Kerb weight, kg (lb.)	approx. 1,140-1,170 (2,515-1,580)*	approx. 1,270 (2,800)

*depending on type of car

Cargo Space, Station Wagon

Length with rear seat up, m (in.)	1.20 (47 ¹ / ₄)
Length with rear seat down, m (in.)	1.83 (72)
Maximum width, m (in.)	1.26 (49 ¹ / ₂)
Height, m (in.)	0.87 (34 ¹ / ₄)
Space with rear seat up, cu.m. (cu.ft.)	approx. 1.10 (40)
Space with rear seat down, cu.m. (cu.ft.)	approx. 1.85 (65)
Width of tailgate, m (in.)	1.05 (41 ¹ / ₂)
Height of tailgate, m (in.)	0.78 (30 ³ / ₄)

The factory reserves the right to modify price and equipment without previous notice.