

# VOLVO

1976



# Specifications

## Volvo 164

Volvo 164	145 b.h.p. SAE four-speed
Volvo 164	145 b.h.p. SAE four-speed, overdrive,
Volvo 164	145 b.h.p. SAE automatic

### Dimensions and weight:

Overall length	470.5 cm (185.2")
Overall width	173.5 cm (68.3")
Wheelbase	270.0 cm (106.3")
Door opening angle	80°
Kerb weight	approx. 1315—1350 kg (2899—2977 lb.)

## Volvo 142/144

Volvo 142/144	90 b.h.p. SAE four-speed
Volvo 142/144	90 b.h.p. SAE automatic
Volvo 142 S/144 S	118 b.h.p. SAE four-speed
Volvo 142 S/144 S	118 b.h.p. SAE four-speed + overdrive

### Dimensions and weight:

Overall length	464.0 cm (183")
Overall width	173.5 cm (68.3")
Wheelbase	260.0 cm (102.4")
Door opening angle	80°
Kerb weight	approx. 1165—1220 kg (2569—2690 lb.)

## Volvo 145 Station Wagon

Volvo 145	90 b.h.p. SAE four-speed
Volvo 145	90 b.h.p. SAE automatic
Volvo 145 S	118 b.h.p. SAE four-speed

### Dimensions and weight:

Overall length	464.0 cm (183")
Overall width	173.5 cm (68.3")
Wheelbase	260.0 cm (102.4")
Kerb weight	approx. 1250—1270 kg (2756—2800 lb.)

### Loading capacity:

Cargo area length, rear seat up	113.0 cm (44.5")
Cargo area length, rear seat down	188.0 cm (74")
Cargo area, max. width	133.0 cm (52")
Cargo area, height	84.0 cm (33")
Cargo volume, rear seat up	1.5 cu.m. (53 cu.ft.)
Cargo volume, rear seat down	1.9 cu.m. (70 cu.ft.)
Concealed load volume	0.1 cu.m. (4 cu.ft.)
Tailgate, width, min.	1.05 m (41")
Tailgate, height	0.8 m (31.5")

## Volvo 121/122 S

Volvo 121	90 b.h.p. SAE four-speed
Volvo 122 S	118 b.h.p. SAE four-speed

### Dimensions and weight:

Overall length	445 cm (175.3")
Overall width	163 cm (64.2")
Wheelbase	260 cm (102.4")
Kerb weight	approx. 1080 kg (2381 lb.)

## Volvo 1800 E

Volvo 1800 E	130 b.h.p. SAE four-speed + overdrive
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### Dimensions and weight:

Overall length	435 cm (171")
Overall width	170 cm (66.9")
Wheelbase	245 cm (96.5")
Kerb weight	approx. 1130 kg (2492 lb.)

### Engine, type B 20 A, 90 b.h.p. SAE

Four-cylinder unit with overhead valves and a five-bearing crankshaft

Displacement	1.986 litres (121 cu.in.)
Bore	88.9 mm (3.500 in.)
Stroke	80.0 mm (3.15 in.)
Compression ratio	8.7:1
Maximum output	90 b.h.p. SAE at 4800 r.p.m.
Maximum torque	16.5 kgm (119 lb.ft.) SAE at 3000 r.p.m.

### Exhaust emission control

### Engine, type B 20 B, 118 b.h.p. SAE

Four-cylinder unit with overhead valves and a five-bearing crankshaft

Displacement	1.986 litres (121 cu.in.)
Bore	88.9 mm (3.500 in.)
Stroke	80.0 mm (3.15 in.)
Compression ratio	9.3:1
Maximum output	118 b.h.p. SAE at 5800 r.p.m.
Maximum torque	17.0 kgm (123 lb.ft.) SAE at 3500 r.p.m.

### Exhaust emission control

### Engine, type B 20 E, 130 b.h.p. SAE

Four-cylinder with electronic computer controlled fuel injection. 5-bearing crankshaft. Overhead valves. Electric fuel pump. Fuel pressure regulator and pressure relief valve. Oil filter of full-flow type. Positive crankcase ventilation. Hyper-effective exhaust emission control.

Capacity	1.986 litres (121 cu. in.)
Bore	88.9 mm (3.500 in.)
Stroke	80.0 mm (3.15 in.)
Compression ratio	10.5:1
Maximum output	130 b.h.p. SAE at 6.000 r.p.m.
Maximum torque	18.0 kgm (130 lb. ft.) SAE at 3.500 r.p.m.

### Engine, type B 30 A, 145 b.h.p. SAE

Six-cylinder unit with overhead valves and a seven-bearing crankshaft

Displacement	2.980 litres (182 cu.in.)
Bore	88.9 mm (3.500 in.)
Stroke	80.0 mm (3.15 in.)
Compression ratio	9.3:1
Maximum output	145 b.h.p. SAE at 5000 r.p.m.
Maximum torque	22.5 kgm (163 lb.ft.) SAE at 3000 r.p.m.

### Exhaust emission control

## Body

All-welded integral construction steel body, completely rust-proofed and underbody treated. Especially exposed areas are hot-galvanized. Closed section reinforcing profiles around all body openings.

## Electrical system

Voltage	12 V
Battery capacity	60 Amp.hour
Starter motor	1 h.p.
Alternator, Volvo 164	55 Amp.
Alternator, other models	35 Amp.

## Front suspension

Independent front suspension with coil springs and rubber-bushed wishbones. Ball joints. Double-acting hydraulic telescopic shock absorbers. Stabilizer.

## Rear suspension

Live rear axle carried in longitudinal rubber-bushed support arms and torque rods. Lateral location of axle by means of a rubber-bushed track rod. Coil springs and double-acting hydraulic telescopic shock absorbers. The Volvo 145 is also fitted with supplementary springs of the hollow rubber type.

## Brake system

### Foot brake

Dual-circuit "Triangle-split" brake system. Servo-assistance with relief valves for rear circuits.

The Volvo 164, 142/144, 145 and 1800 have disc brakes all round. The 121/122 S have front wheel disc brakes and rear wheel drum brakes.

## Handbrake

Mechanically operating drum brakes operating directly on rear wheels.

## Fuel tank

Located at rear. Capacity 58 litres (13.5 Imp. gallons). Volvo 1800 E and 121/122 S 45 l (10 Imp. galls).

## Miscellaneous equipment

Three-point factory installed safety belts for front seat passengers. The Volvo 164 has retractable, inertia safety belts. Anchorages for rear seat safety belts. Thermostatically controlled heating system. Air extractor vents below rear window and separate air intakes under dashboard. Laminated windscreen of high-impact type. Two-speed electric windscreen wipers. Electric windscreen washer. Electrically heated rear window on Volvo 164, 140 series and 1800 E. Cigarette lighter. Adjustable headrests. Two fog lights of halogen type on Volvo 164. All 164 models available with power steering or sun roof.

The manufacturers reserve the right, to alter the design and equipment without previous notice.

**AB VOLVO**  
GÖTEBORG - SWEDEN