

# TECHNICAL SPECIFICATIONS

## ENGINE

### Four-cylinder petrol engines

Double overhead camshafts, 16 valves. Continually variable valve timing (CVVT) on the inlet or exhaust side. Three-way catalytic converter with Lambda sensor. Electronic engine management. The turbocharged petrol engines also have twin-scroll turbo and charge-air cooler (Intercooler).

### Four-cylinder diesel engines

Direct-injection common rail turbodiesel. Overhead camshaft, 8 valves. Charge-air cooler (Intercooler). Two-way catalytic converter with EGR. Electronic engine management.

### Four-cylinder Bi-Fuel engine

Bi-Fuel engine which runs on liquefied petroleum gas (LPG) with petrol as reserve fuel. Double overhead camshafts, 16 valves. Continuously variable valve timing (CVVT) on the inlet side. Three-way catalytic converter with Lambda sensor. Electronic engine management.

## DRIVELINE

Front-wheel drive. Transverse engine. Five-speed manual gearbox. As an alternative, there is a five-speed\*, electronically controlled automatic transmission with adaptive shifting pattern, winter mode and lock-up function which reduces fuel consumption when cruising.

\*Not available with the Volvo S40 1.6, 1.8i, diesels and Bi-Fuel.

## ELECTRICAL SYSTEM

Battery capacity 12 V, 520A (petrol engines) or 600 A (diesel engines). Alternator 80 A and for 1,8i 100A.

## STEERING GEAR

Power-assisted rack and pinion steering gear with progressive servo. Steplessly adjustable steering wheel, vertically. 3:1 turns between end stops. Turning circle 10,6 m.

## BRAKES

Power-assisted anti-lock disc brakes (ABS), ventilated discs at front. Electronic brake distribution between front and rear brakes (EBD). Diagonal-split braking system.

## **CHASSIS**

Front suspension with spring struts. Anti-dive and anti-lift function. Multi-link independent rear suspension. Anti-roll bars front and rear.  
Options: Volvo's anti-spin system (DSA). Automatic levelling. Lowered sports chassis with robust anti-roll bar and automatic levelling.

## **WEIGHT**

Kerb weight: 1255  
Max total weight: 1780 kg

## **FUEL TANK**

60 litres

## **VOLVO S40 1.6 (109 BHP)**

- Engine type: Four-cylinder petrol engine
- Displacement: 1587 cc
- Power output: 80 kW (109 bhp) at 5800 rpm
- Torque: 145 Nm at 4000 rpm
- Acceleration 0-100 km/h: 12 sec
- Top speed: 190 km/h
- Fuel consumption litres/100 km, mixed driving: 7.7
- CO2 emission, g/km: 184
- Environmental classification: Specific for each market

## **VOLVO S40 1.8 (122 BHP)**

- Engine type: Four-cylinder petrol engine
- Displacement: 1783 cc
- Power output: 90 kW (122 bhp) at 5800 rpm
- Torque: 170 Nm at 4000 rpm
- Acceleration 0-100 km/h, man/aut: 10.5/11.5 sec
- Top speed, man/aut: 200/195 km/h
- Fuel consumption litres/100 km, mixed driving: 7.7/8.7
- CO2 emission, g/km: 184/208
- Environmental classification: Specific for each market

## **VOLVO S40 2.0 (136 BHP)**

- Engine type: Four-cylinder petrol engine
- Displacement: 1948 cc
- Power output: 100 kW (136 bhp) at 5800 rpm
- Torque: 190 Nm at 4000 rpm
- Acceleration 0-100 km/h, man/aut: 9.7/10.7 sec

- Top speed, man/aut: 205/200 km/h
- Fuel consumption litres/100 km, mixed driving, man/aut: 8.1/8.9
- CO2 emission, g/km, man/auto: 194/213
- Environmental classification: Specific for each market

### **VOLVO S40 1.8i (122 BHP)**

- Engine type: Four-cylinder direct-injection petrol engine
- Displacement: 1834 cc
- Power output: 90 kW (122 bhp) at 5500 rpm
- Torque: 174 Nm at 3800 rpm
- Acceleration 0-100 km/h: 10.5 sec
- Top speed: 200 km/h
- Fuel consumption litres/100 km, mixed driving: 6.9
- CO2 emission, g/km: 164
- Environmental classification: Specific for each market

### **VOLVO S40 2.0T (163 BHP)**

- Engine type: Four-cylinder petrol light-pressure turbo engine
- Displacement: 1948 cc
- Power output: 120 kW (163 bhp) at 5250 rpm
- Torque: 240 Nm at 1800-4500 rpm
- Acceleration 0-100 km/h, man/aut: 8.5/9.0 sec
- Top speed, man/aut: 220/215 km/h
- Fuel consumption litres/100 km, mixed driving, man/aut: 7.9/9.1
- CO2 emission, g/km, man/auto: 189/217
- Environmental classification: Specific for each market

### **VOLVO S40 D (102 BHP)**

- Engine type: Four-cylinder direct-injection common rail turbodiesel
- Displacement: 1870 cc
- Power output: 75 kW (102 bhp) at 4000 rpm
- Torque: 215 Nm at 1750-3250 rpm
- Acceleration 0-100 km/h: 12 sec
- Top speed: 185 km/h
- Fuel consumption litres/100 km, mixed driving: 5.4
- CO2 emission, g/km: 142
- Environmental classification: Specific for each market

### **VOLVO S40 1.9D (115 BHP)**

- Engine type: Four-cylinder direct-injection common rail turbodiesel
- Displacement: 1870 cc

- Power output: 85 kW (115 bhp) at 4000 rpm
- Torque: 265 Nm at 1750-2500 rpm
- Acceleration 0-100 km/h: 10.5 sec
- Top speed: 195 km/h
- Fuel consumption litres/100 km, mixed driving: 5.4
- CO2 emission, g/km: 142
- Environmental classification: Specific for each market

## **VOLVO S40 BI-FUEL LPG/PETROL (120/122 BHP)**

- Engine type: Four-cylinder Bi-Fuel LPG (liquefied petroleum gas) / petrol engine
- Displacement: 1783 cc
- Power output (LPG/petrol): 88 kW (120 bhp) / 90 kW (122 bhp) at 5800 rpm
- Torque (LPG/petrol): 167 Nm at 4000 rpm/170 Nm at 4000 rpm
- Acceleration 0-100 km/h (LPG/petrol): 11.0/10.5 sec
- Top speed: 200 km/h
- Range on full tank (LPG/petrol): 385/750 km
- Fuel consumption (LPG/petrol) litres/100 km, mixed driving: 10.4/8.1
- CO2 emission (LPG/petrol), g/km: 168/193
- Environmental classification: Specific for each market

Warranty: 12-month international warranty without mileage limitation.

N.B. Some of this information may be incorrect due to product changes which may have occurred since it was published. Some of the equipment described or shown may now be available only at extra cost. Before ordering, please ask your Volvo dealer for the latest information. The manufacturer reserves the right to make changes at any time, without notice, to prices, colour, materials, specifications and models.