

ENGINE

Six-cylinder petrol engine

Inline six-cylinder petrol light-pressure twin-turbo engine. Double overhead camshafts, 24 valves. Continually variable valve timing (CVVT) on the inlet and exhaust side. Charge-air cooler (Intercooler). Three-way catalytic converter with Lambda sensor. Electronic engine management.

Five-cylinder petrol engine

Inline five-cylinder petrol light-pressure turbo engine. Double overhead camshafts, 20 valves. Continuously variable valve timing (CVVT) on the inlet and exhaust side. Charge-air cooler (Intercooler). Three-way catalytic converter with Lambda sensor. Electronic engine management.

Five-cylinder diesel engine

All-aluminium direct-injection common rail turbodiesel. Double overhead camshafts, 20 valves. Variable turbocharger. Charge-air cooler (Intercooler). Two-way catalytic converter with EGR. Electronic engine management.

DRIVELINE

Electronically-controlled AWD all-wheel drive with Haldex coupling and TRACS anti-spin system. Transverse engine. Volvo XC90 T6: four-speed Geartronic adaptive automatic transmission which allows manual shifts. Volvo XC90 2,5T and Volvo XC90 D5: five-speed Geartronic is standard until later in 2003 and optional thereafter. A six-speed manual transmission will be standard in the Volvo XC90 2.5T and D5 later in 2003.

ELECTRICAL SYSTEM

Multiplex digital electrical system with OBD (On Board Diagnosis). Battery capacity 12 V, 600 alt 800 A. Alternator 140 alt 160 A. Multiplex optical/digital infotainment system with MOST (Media Oriented Systems Transport)

STEERING GEAR

Power-assisted rack and pinion steering gear. Steplessly adjustable steering wheel, vertically and horizontally. * turns between end stops (depending on tyres). Turning circle * m (depending on tyres).

* Data not available

BRAKES

Power-assisted anti-lock disc brakes (ABS), ventilated discs all round. Electronic Brake Assistance (EBA). 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 with steel subframe. Anti-roll bars front and rear. DSTC (Dynamic Stability and Traction Control) with RSC (Roll Stability Control). Automatic levelling (seven-seater version).
Options: Automatic levelling (five-seater version).

LOAD CAPACITY

With third row rear-seat backrest up: 249 litres
(to the upper edge of the rear seat)
With second row rear-seat backrest up: 5-seater/7-seater 613/615 litres
(to the upper edge of the rear seat)
With third and second row rear-seat backrest completely down: 914 litres
Max. load: 5-seater/7-seater 550/610 kg
Max roof load: 100 kg
Max trailer weight: 2250 kg

WEIGHT

Kerb weight: 5-seater/7-seater 1982/2046 kg
Max total weight: 5-seater/7-seater 2620/2760 kg

FUEL TANK

70 litres

VOLVO XC90 T6 (272 BHP)

Engine type: Six-cylinder light-pressure twin-turbo petrol engine
Displacement: 2922 cc
Power output: 200 kW (272 bhp) at 5100 rpm
Torque: 380 Nm at 1800-5000 rpm
Acceleration 0-100 km/h: 9.3 sec
Top speed: 210 km/h
Fuel consumption litres/100 km, mixed driving: 12.9
CO2 emission, g/km: 309
Transmission: Four-speed Geartronic

VOLVO XC90 2.5T (210 BHP)

Engine type: Five-cylinder petrol light-pressure turbo engine
Displacement: 2521cc
Power output: 154 kW (210 bhp) at 5000 rpm
Torque: 320 Nm at 1500-4500 rpm
Acceleration 0-100 km/h, man/auto: 9.5/9.9 sec
Top speed, man/auto: 210 km/h
Fuel consumption litres/100 km, mixed driving, man/auto: 11.4/12.0
CO2 emission, g/km, man/auto: 273/287
Transmission: Six-speed manual transmission (later in 2003) or five-speed Geartronic

VOLVO XC90 D5 (163 BHP)

Engine type: Five-cylinder direct-injection common rail turbo-diesel engine

Displacement: 2401 cc

Power output: 120 kW (163 bhp) at 4000 rpm

Torque: 340 Nm at 1750-3000 rpm

Acceleration 0-100 km/h: 12.3

Top speed: 185 km/h

Fuel consumption litres/100 km, mixed driving: 9.1

CO2 emission, g/km: 242

Transmission: Six-speed manual transmission (later in 2003) or five-speed

Geartronic

Warranty: 12-month international warranty without mileage limitation.

All technical data are preliminary.

N.B. Some of this information may be incorrect due to product changes that 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.