

2006 model year

VOLVO S60

OVERVIEW

In Brief:

- Four-door, premium sports saloon with coupé-like styling
- One of Volvo's S-range of saloons (S40, S60, S80)
- Powerful range of turbocharged five cylinder petrol and diesel engines
- High-performance, flagship S60 R with 300bhp, 400Nm torque, AWD, and active Four-C chassis (Advanced, Sport and Comfort settings)
- Bi-Fuel CNG model with five cylinder, 2.4-litre petrol/gas engine
- Higher specifications compared to most other premium brand rivals
- Superior Sovereign Hide or bespoke 'Inscription' upholstery available
- Superior Volvo safety standards, inc. WHIPS, SIPS, IC, DSTC, EBD etc
- Healthier Oeko-tex standard compliant, emissions-free interior
- Performance, High Performance and Premium Sound audio systems – with Dolby Pro Logic II surround sound, and 'digital jukebox' available

The Volvo S60 is a sports saloon designed to look like a coupé and echoes today's sleek Volvo design introduced in the larger S80 saloon and subsequently continued in its compact sibling, the all-new S40 saloon.

The S60 fits in the Volvo 'S' range of saloons between the compact S40 and large S80, and is Volvo's third best-selling model behind the XC90 and V70, with over 73,000 sold in 2004 – almost on par with the legendary Volvo V70 estate.

Powerful, five cylinder, turbo engines are a key feature of the S60 range, topped by the awesome T5 and S60 R, and complemented by Volvo's refined turbodiesels, and a Bi-Fuel model.

Available in S, Sport and SE trims, plus the high-performance R model, the S60 features higher standard specifications than many other premium brand rivals, which includes high quality audio systems, Electronic Climate Control with Air Quality System and pollen filter, alloy wheels and alarm.

In addition, there's also the expected, comprehensive range of Volvo safety systems. These include DSTC (Dynamic Stability and Traction Control), SIPS (Side Impact Protection System), WHIPS (Whiplash protection system), Inflatable Curtain (IC), airbags and seatbelt pre-tensioners. Volvo's latest safety features to

aid driver visibility are also available, including water repellent glass for door mirrors and side windows.

In Full:

- Four-door premium sports saloon with coupe-like styling
- One of Volvo's S-range of saloons (between S40 and S80)
- Range of powerful turbo, five cylinder petrol and diesel engines
- High-performance, flagship S60 R with 300bhp, 400Nm torque, AWD and active Four-C chassis (Advanced, Sport and Comfort settings)
- Bi-Fuel CNG model with five cylinder 2.4-litre petrol/gas engine
- High standard specifications (compared to other premium brand rivals)
- High Volvo safety standards – fully crash tested in Volvo Safety Centre
- Performance. High Performance and Premium Sound audio systems – with Dolby Pro Logic II surround sound, and 'digital jukebox' available
- Smart, clean Swedish design
- Healthier Oeko-tex standard compliant allergen and emissions-free interior
- Sovereign Hide and bespoke 'Inscription' luxury upholstery available
- Produced at Volvo's plant in Ghent, Belgium
- S, Sport and SE models available – plus S60 R

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Design concept

Designed under Volvo's then Executive Design Director, Peter Horbury, the Volvo S60 mixes sporting design with executive levels of luxury, comfort and driving pleasure.

The sloping roofline, for example, deliberately echoes that of the original Volvo C70 Coupe, but there's still headroom for three adults in the rear. The egg-crate grille, v-shaped bonnet, strong curved shoulder lines and distinctive, shapely rear lights also provide a strong visual link with the rest of the latest Volvo range.

The design of the uncluttered and logically laid-out dashboard also follows Volvo's typically smart and simple, Swedish style, and in the Volvo S60 it's angled towards the driver, reflecting the car's more sporting intent.

Driving dynamics

Engine	2.0T	2.5T	T5	R	2.4D	D5	Bi-Fuel	
Type	1984cc 5 cyl/20v turbo	2521cc 5 cyl/20v turbo	2401cc 5 cyl/20v turbo	2521cc 5cyl/20v turbo	2401cc 5cyl/20v turbo	2401cc 5cyl/20v turbo	2435cc 5cyl, 20v	
Fuel	Petrol	Petrol	Petrol	Petrol	Diesel	Diesel	CNG/petrol	
Power	180 bhp	210 bhp	260 bhp	300 bhp	163 bhp	185 bhp	140 bhp	
Torque Nm at rpm	240 Nm at 1850	320 Nm at 1500	350 Nm at 2100	400 Nm at 1950	340 Nm at 1750	400 Nm at 2000	192/4500 CNG 220/3300 petrol	
0-62mph manual/auto	8.8 man 9.5 auto	7.0 man 7.4 auto	6.5 man 6.9 auto	5.7 man 6.7 auto	9.2 man 9.7 auto	8.2 man 8.7 auto	10.7/11.6 CNG 11.6/11.1 petrol	
Top speed manual/auto	140 man 134 auto	146 man 143 auto	155 man 155 auto	155 man 155 auto	130 man 130 aut	143 man 140 aut	130/130 CNG 127/127 petrol	
CO2 g/km	212 man 227 auto	217 man 234 auto	220 man 234 auto	252 man 259 auto	174 man 199 aut	174 man 199 aut	159/176 CNG 208/228 petrol	
MPG man/aut							CNG	Petrol
Urban	22.8/20.6	21.9/20.0	22.2/20.2	19.5/18.0	31.4/27.7	31.4/27.7	22.2/19.9	23.7/20.2
Extra urban	40.9/39.8	40.9/38.7	38.7/38.7	34.4/34.9	54.3/47.1	54.3/47.1	42.8/38.7	41.5/40.9
Combined	31.7/29.7	31.0/28.8	30.4/28.8	26.9/25.9	42.8/37.7	42.8/37.7	31.7/28.8	32.5/29.7

The Volvo S60 range has a strong emphasis on power and performance with a range of five-cylinder engines combined with a standard sports chassis or Volvo's active Four-C (Continuously Controlled Chassis Concept) chassis, which is standard on the S60 R and now available as an option on other models.

There are no less than four turbocharged petrol engines all with high torque levels at low rpms for maximum flexibility – starting with the entry-level, 180bhp 2.0T, the 210bhp 2.5T, the 260bhp T5 and, of course, the awesome 300bhp Volvo S60 R.

These are complemented by two new Volvo five cylinder, 2.4-litre turbodiesels – the 2.4D with 163bhp, and the D5 with 185bhp. Both engines were introduced for the 2006 model year following extensive modifications to enhance power delivery, refinement, performance and emissions compared to the original D5.

Both diesels are fitted with a diesel particulate filter with oxidising coating as standard, with six-speed manual transmissions, or Volvo's new (optional) six-speed Geartronic, plus the latest common rail direct injection technology to combine generous amounts of torque - 340Nm at 1,750rpm for the 2.4D, while the new D5 generates as much as the S60 R with 400Nm from 2,000rpm.

Another interesting engine choice for the range is the 2.4 litre Bi-Fuel, which underlines Volvo's commitment to alternative fuels and the environment. Built on the same production line as the rest of the range, fully crash tested and with the usual Volvo Car UK three year warranty, the Bi-Fuel is available to run on either petrol or cheaper, cleaner gas (CNG). Its gas tanks are invisible from sight under the luggage compartment and do not impose on loading space, while there is a smaller petrol tank as the reserve fuel. The Bi-Fuel engine produces lower and cleaner emissions when running on gas, and smoothly switches between either fuel source at the touch of button. Apart from fuel cost savings (especially for Companies that 'bunker' their own fuel), once registered, Bi-Fuel models are exempt from paying London's Congestion Charge.

Service intervals for all S60 models were extended for the 2006 model year. The S60 R and the Bi-Fuel models have increased from 12,000 to 12,500 miles, or one year, while the rest of the models increased to 18,000 miles, or one year (whichever comes first).

There are MacPherson struts with lower wishbones at the front and an independent, multi-link set-up at the rear. This sophisticated system, coupled with a standard sports chassis, exceptional torsional rigidity and one of the widest tracks in its class, ensures that the Volvo S60 offers enjoyable handling.

An optional 'Sports Handling Pack' is also available offering larger 18in BBS split rim alloy wheels, speed dependent steering and Volvo's advanced, second generation Four-C (Continuously Controlled Chassis Concept) active chassis with a choice of two settings: Sport and Comfort.

The advanced Four-C technology continuously analyses huge amounts of information up to 500 times a second and responds instantly by adjusting each of the shock absorbers individually to suit road and driving conditions. It also interacts with the DSTC (Dynamic Stability and Traction Control) – the engine, brakes, steering and other functions – to maximise the car's response and handling. This all happens quickly and smoothly, and will step in to help control the car in an emergency situation no matter which chassis mode is currently selected.

The Four-C active performance chassis is standard on the range-topping S60 R with the extra choice of 'Advanced Sport' as well as 'Sport' and 'Comfort' settings, and works in conjunction with the R's All Wheel Drive system and electronic Haldex coupling.

Quality and equipment

The S60 is available with S, Sport and SE trim levels – all usually offering better standard specifications and value than other premium brand rivals.

The standard specification of the 'S' model includes:

- Alarm with immobiliser
- ECC (Electronic Climate Control) with AQS (Air Quality System)
- Information system
- Steering wheel remote audio controls
- Performance sound system with 4x25w amplifier and 6 speakers
- 16in alloy wheels
- Sports chassis
- Front fog lights
- DSTC (Dynamic Stability and Traction Control) with EBA
- Key-integrated remote control central locking with deadlocking system

A high level of luxury equipment is fitted as standard to every model, including Electronic Climate Control with Volvo's Air Quality System (AQS), alloy wheels, a performance audio system with CD player and at least six speakers, plus information centre, fog lights and DSTC (Dynamic Stability and Traction Control).

For added style, the Sport model gains:

- Body-coloured lower bumpers and side mouldings
- Rear spoiler
- Larger 17in alloy wheels
- Sports leather/textile upholstery
- Aluminium trim
- 'Spaceball' gear lever for manual transmission
- Water repellent door mirror glass
- Cruise control
- Electric folding door mirrors
- Autodimming rear view mirror
- Grocery bag holder

In addition, upgrading to the enhanced SE specification offers:

- Electric driver's seat (with memory) and door mirror memory
- Sports leather upholstery

- High-performance audio system with 6 x CD and Dolby Pro Logic II Surround Sound with nine speakers and 4x50w amplifier
- Chrome trim in front and rear bumper mouldings

For further style and desirability, a comprehensive range of optional items includes Bi-Xenon headlights, heated seats, integrated telephone and Volvo's RTI satellite navigation system now with TMC (Traffic Message Channel) that warns of traffic problems ahead and can even re-route the driver, if required.

Volvo offers two stylish ways to further upgrade the interior of the S60:

- Superior 'Sovereign Hide' soft leather upholstery is available on Sport and SE models, or as part of the Premium pack, and comes in off-black or linen white colours.
- Volvo 'Inscription', launched for the 2006 model year, opens a whole new colourful world of interior sophistication with a collection of bespoke, exclusively designed interiors. Soft 'semi Aniline' leather upholstery, with ribbed inserts on the seats, comes from the finest hides and is available in a kaleidoscope of eight exciting colour combinations for the seats and door panels. It also includes a soft leather sports steering wheel and Nubuck trimmed floor mats with contrasting piping.

Safety

As you'd expect from Volvo, the S60 has a full complement of Volvo's safety features. Dual-stage front airbags, SIPS (Side Impact Protection System), WHIPS (Whiplash Protection System), IC (Inflatable Curtain) and five three-point safety belts combine to offer class-leading occupant protection.

In addition, Volvo offers a passenger airbag cut-off switch to enable child seats to be carried in the front of the car. It also offers integrated booster seats for the rear, and ISOFIX mounting points.

Little wonder that the S60 tops its league in the Consumers Association *Which?* annual safety ratings and achieved a four star EuroNCAP crash test rating and a maximum 100% score for side impact protection when tested.

More recently, to improve the driver's visibility and help avoid accidents, Volvo has introduced water repellent glass for door mirrors (standard on some models) and side windows (optional).

Environment

Volvo's 'clean inside and out' environmental programme reflects its continuing commitment to the environment. Its plants are some of the automotive world's cleanest factories, and 85 per cent of each car can be recycled, plus every new Volvo is backed by an EPI (Environmental Product Information) which is available at www.volvocars.com/eji. Volvo also produces an annual Corporate Citizenship report, available on www.volvocars.com/citizenship.

Like all Volvos, the S60's interior is free from allergy inducing emissions, and an active carbon filter ensures dust and exhaust particles do not enter the cabin, while an Air Quality System (AQS) shuts down the air input if outside air is too dirty.

All the five cylinder petrol engines in the Volvo S60 range are available with Volvo's PremAir® - a special catalytic coating on the radiator which converts up to 75 per cent of the harmful ground-level ozone passing through it into pure oxygen. In addition, they already meet the stringent EU 2005 emissions requirements.