

## Press Release

Mar 03, 2009 | ID: 18936

# Volvo XC70 - model year 2010

### **Launch**

The Volvo XC70, the third generation of Volvo's successful XC70 concept, is more refined than ever. A comfortable and luxurious appearance has been combined with top-class flexibility and an expressive design, making the model just as elegant in an urban environment as in the wilderness.

Business project manager: Tomas Ahlborg

The Volvo XC70 is now offered with Volvo's two new five-cylinder diesel engines, D5 and 2.4D. The engines are a perfect combination of low fuel consumption, high performance and low noise levels. In addition, a front-wheel driven XC70 DRIVE model is available. It has the 2.4D version of the new five-cylinder diesel.

### **New features - the Volvo XC70**

- Two new five-cylinder diesel engines...
- ... one high-performance version
- ... and one medium-performance, DRIVE version...
- ... combined with front-wheel drive - 6.0 l/100 km and 159 g/km CO<sub>2</sub>

### **Design**

The model has a unique soft nose. This is characterised by a larger grille and headlamps. The dark-coloured body panels provide an exclusive and a "rough" impression, clearly signalling the car's dynamic capabilities. The pronounced wheel housings are another design feature, contributing to the capable appearance. A number of design elements, like the framed side windows and the distinct shoulders, create a genuine estate car profile. The tailgate's upper section has a sportier forward-leaning stance. The tailgate overlaps the tail lamps, providing an even wider opening. The glass goes further down at the sides, enhancing rear view. The loading space is increased by 55 litres (compared with the previous XC70 model). The rails are integrated into the A-pillar mouldings. The interior, with a Scandinavian touch, is a perfect combination of design and function.

Exterior colours:

- Silver Metallic (426)
- Electric Silver Metallic (477)
- Seashell Metallic (484)
- Oyster Grey Pearl (472)
- Ice White (614)
- Willow Green Pearl (471)
- Ruby Red Pearl (454)
- Barents Blue Pearl (466)
- Black Stone (019)
- Black Sapphire Metallic (452)
- New colour: Caper Green Pearl (493)

The rear seat integrated child seats are adjustable in two steps. The top-class comfort level is characterised by increased passenger space - distance from front to rear passengers is increased by 21 millimetres, rear legroom by 48 millimetres and knee clearance by 21 millimetres.

Width at shoulder height - in the front seats - is 30 millimetres wider than before. The ventilated front seats with perforated leather (option) are equipped with fans, lowering the seat cushion temperature. This contributes to an even greater seating comfort - especially on hot summer days.

The Volvo XC70 offers a number of loading solutions. The rear seat is split into three parts - 40/20/40, providing two very comfortable rear seats with a convenient armrest in between. The luggage compartment has aluminium rails and movable anchorage points. The anchorage points can be tucked down into the rails when not in use. The built-in anchorage eyelets in the side panels keep luggage securely in place. In addition, the side panels can be equipped with multifunctional rails, making it possible to attach hooks, load-anchoring nets and cargo space dividers among other loading accessories. The power-operated tailgate (option) can be opened with a push on the remote control. This facilitates loading when the owner has his or her hands full.

Side scuff plates are available as an accessory. The side scuff plates are uniquely designed sill trims that give the car an attractive and exclusive image. They are supplied in pairs and fitted along the sides of the car under the doors.

### **Safety**

The Volvo XC70 comes with a number of safety solutions - aimed to help avoiding accidents as well as reducing the consequences of a collision. The height-adjustable integrated child booster cushion provides children of different sizes with a good view through the windows, while at the same time contributing to a high level of protection. The booster cushion, providing optimum seat belt geometry, is even more effective in combination with the specially adjusted force limiters.

The Inflatable Curtain has been extended by 60 mm compared to previous models. In combination with the booster cushion and a strong body side, it helps increasing the side impact protection - for children of different sizes. In addition, the side structure has been combined with two-chamber side impact airbags. The Volvo XC70 features Volvo's patented front structure as well. The structure is divided into zones with different steel grades. All engines are mounted transversely, including the six-cylinder, and help reducing the risk of penetration into the passenger compartment.

Volvo's Whiplash Protection System provides a gentle damping motion and contact between the head and head restraint throughout the impact sequence. The front has energy-absorption properties, including a soft structure (in front of the bumper) that helps reducing the risk of leg injuries to pedestrians.

The reinforced, lower spoiler edge has a forward position and is almost on level with the bumper. This solution helps distributing the contact area of a pedestrian's or a cyclist's leg, helping to further reduce the risk of injury. The raised bonnet's underside has a honeycomb structure which helps absorbing the energy and reducing the risk of injury.

Collision Warning with brake support and emergency brake lamps, helps avoiding rear-end impacts or minimise the consequences of a collision.

Adaptive Cruise Control helps keeping a safe distance to vehicles ahead.

The model has a number of advanced and interacting braking functions, such as Hydraulic Brake Assist, Optimized Hydraulic Brakes and Fading Brake Support. Volvo's Personal Car Communicator, an advanced pocket-sized control centre for increased personal security, is available for the Volvo XC70. The Personal Car Communicator provides information about the car's lock and alarm status if the owner is up to 100 metres away from the car. It is even possible to detect if there's someone in the car.

Laminated glass all around, including the tailgate and rear side windows, is an option. The storage system under the luggage compartment floor has a loading capacity of 46 litres (without a spare wheel). The storage space locks automatically when closing and locking the tailgate.

The Volvo XC70 can be equipped with the HomeLink system. The system makes it possible to operate up to three remote controlled home devices (e.g., garage door, home alarm system, etc.) via a module integrated into the sun visor. HomeLink contributes to easy and safe access to your home.

### Driveline and chassis

The Volvo XC70 is equipped with AWD - All Wheel Drive. The XC70 model is offered with a normally aspirated, six-cylinder engine, providing a high level of driving pleasure. As in all modern Volvo cars, the in-line six-cylinder engine is mounted transversely. This engine is extremely compact and perfectly integrated with the front structure.

The Volvo XC70 can be equipped with the 3.0 l 6-cylinder in-line petrol turbo engine - initially in North America and later on in Europe and Japan. The engine is optimised for high performance, low fuel consumption and low exhaust emissions.

The engine delivers 285 hp (North America) and 400 Nm of torque. Maximum torque is obtained from 1500 rpm and this peak value is maintained all the way up the rev range. This results in quick acceleration and smooth driveability. The engine uses twin-scroll technology.

Two new five-cylinder diesel engines are now being introduced (for spring 2009) for the Volvo XC70 - the high-performance, twin-turbo D5 and the medium-performance, single-turbo 2.4D. Actually, the new engines only share the number of cylinders with its predecessors.

The D5 has several advanced technical features, such as the twin turbochargers and the fuel injection system, which provide an excellent combination of high performance and low fuel consumption. It fulfils the Euro 5 norm. The development of the new D5 has resulted in low engine noise and enhanced comfort. It delivers 205 horsepower and 420 Nm, and the preliminary fuel consumption figure is 7.0 l/100 km. The CO<sub>2</sub> emission level is 186 g/km (preliminary). With an automatic gearbox, the figures are 7.5 l/100 km and 199 g/km.

A new, front-wheel driven DRIVE version of the XC70 model will be available as well. This version (2.4D) has a five-cylinder diesel with a single-turbocharger. The engine is combined with a manual gearbox. The engine falls into Volvo's 160g category (out of three different categories: 120g, 140g and 160g, depending on the car's size and other things). The power output is 175 horsepower and 420 Nm. Volvo XC70 DRIVE features a number of technical improvements that help contributing to the low, best-in-class fuel consumption - 6.0 l/100 km. The CO<sub>2</sub> emissions are 159 g/km.

However, besides the high power and torque, this XC70 version has a sporty chassis, making it just as fun to drive as the other XC70 models.

The engine programme for the Volvo XC70 is as follows:

Petrol	Cylinders	Power, bhp	Torque, Nm
3.0T	6	285	400
3.2	6	238	320

Diesel	Cylinders	Power, bhp	Torque, Nm
D5	5	205	420
2.4D*	5	175	420

\*DRIVE version

The diesel- and the six-cylinder engines can be combined with Geartronic - an automatic six-speed gearbox with a manual gear changing function.

The chassis has been further developed, in comparison with the previous XC70 model. In addition, the model can be equipped with Volvo's advanced chassis system - Active chassis with Four-C.

The speed-dependent power steering (option) can be completed with a three-step adjustment function, making it possible to adjust the servo assistance and optimize road feedback. The Power Parking Brake is applied automatically, simplifying starting on uphill gradients for example. The DSTC (Dynamic Stability and Traction Control) system helps reducing the risk of skidding.

Hill Descent Control (HDC) regulates speed on steep downhill gradients. HDC makes it possible to drive downhill without the driver touching the brake pedal. In addition, HDC facilitates starting with a caravan on slippery surfaces, and makes it easier to launch a boat into the water.

### Environment and air quality

The Volvo XC70 is built and produced with the ambition of minimising the environmental impact, and to provide a clean and healthy in-car climate.

Volvo's Interior Air Quality System reduces particles, pollen, gases and unpleasant odours in the passenger compartment. In addition, all textiles and leather are certified under ÖKO-TEX 100. This is an international standard, which ensures that fabrics and hides have been thoroughly tested to check for certain allergy-inducing substances and emissions.

The Clean Zone Interior Package provides an improved in-car climate. The system ventilates the passenger compartment automatically (in temperatures above 10 degrees Celsius).

A convenient menu system makes it possible for the driver to adjust different systems - such as climate and rear-view mirrors. This system helps increasing the driver's focus on the road and contributes to a high level of comfort.

## Keywords:

Press Releases, 2010, XC70 (2008-2016)

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Descriptions and facts in this press material relate to Volvo Cars' international car range. Described features might be optional. Vehicle specifications may vary from one country to another and may be altered without prior notification.

## Media Contacts

### **Volvo Cars Media Relations**

Phone: +46 (0)31-59 65 25  
[media@volvocars.com](mailto:media@volvocars.com)

[media.volvocars.com](http://media.volvocars.com) >

[volvocars.com](http://volvocars.com) >

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