

## Press Release

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# Volvo XC70 - model year 2011

The third generation Volvo XC70 where the model year 2011 V70 belongs, is more refined than ever. A comfortable and luxurious appearance has been combined with top-class flexibility and an expressive design.

The XC70 is a sophisticated and elegant car for an active urban life. Come the weekend and it transforms into a rugged partner for all kinds of exciting adventures,

### EXTERIOR

#### Rugged look

The model has a unique soft nose. This is characterised by a larger grille and headlamps. The dark-coloured body panels provide an exclusive, rugged impression, clearly signalling the car's dynamic capabilities.

Moving to the side, the contrasting, protective sections are supplemented with a chrome moulding at the bottom of the doors. 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 rails are integrated into the A-pillar mouldings.

#### Exterior colours

The following exterior colours are available for the Volvo XC70:

- Flamenco Red metallic 702 (new)
- Black Stone solid 019
- Ice White solid 614
- Silver metallic 426
- Black Sapphire metallic 452
- Caspian Blue metallic 498
- Caper Green metallic 493
- Oyster Grey metallic 472
- Electric Silver metallic (Inscription) 477
- Ember Black metallic 487
- Savile Grey metallic 492
- Seashell metallic 484

### INTERIOR

#### Scandinavian design at its best

The interior of the XC70 is an example of Scandinavian design at its best. Every little detail has been designed with a one hundred percent focus on both clean form and intelligent functionality.

Comfort in the front seat features superb seats and ergonomically designed instruments - including an elegant, super-slim centre stack and an audio system of absolute world class.

In addition to Sandstone Beige and Anthracite Black there is an Espresso Brown option where the

warm dark colour of the seats, door panels and instrument panel contrasts with the sand-coloured detailing of the rest of the interior trim.

The integrated dual child booster cushions can be adjusted in two steps and the 40/20/40-split rear seat has integrated seat belts. The lightweight design of the rear backrest and the simple folding mechanism are other examples of improved functionality for passengers. Electrically folding rear seat headrests are also available in the XC70.

### **Loading space under the floor**

Everything and everyone rides in first class. Even the luggage compartment and all its options and accessories have been designed to meet the very highest demands on luxury and intelligent functionality.

Among the smart details in the luggage compartment is a storage space under the floor that is locked when the tailgate is shut.

A power tailgate is an option.

## **CHASSIS**

### **Controlled ride**

The car has been developed and balanced to give a first-class driving experience, based largely on pliant ride and secure road holding allied to high stability. Stability is particularly important when driving with many passengers and a lot of luggage.

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Thanks to the design of the body structure and the optimised use of different grades of high-strength steel, torsional rigidity was increased by no less than 15 percent compared to the previous XC70 model.

The chassis technology has been further developed to provide even more stable and more controlled road manners. A lot of effort has also gone into features such as the suspension system and engine installation to ensure high-class comfort.

### **DSTC is standard**

DSTC (Dynamic Stability and Traction Control) is standard. This is a stability-enhancing system that when necessary reduces engine torque and applies carefully calculated braking power to reduce the risk of a skid.

### **Active chassis with Four-C - and three choices**

The car can be optionally specified with an active chassis based on Volvo's Four-C technology. It is an advanced self-regulating chassis system that uses a number of sensors to continuously monitor the car's behaviour. The dampers are adjusted to suit the current driving conditions in mere fractions of a second.

### **All Wheel Drive with Instant Traction**

Several variants of the Volvo XC70 come All Wheel Drive. Using an electronically controlled hydraulic clutch, the AWD system distributes drive between the front and rear wheels to ensure the best possible road grip in all situations. The system features Instant Traction, which shifts drive at lightning speed from the front to the rear wheels when starting on a slippery or loose surface.

### **Hill Descent Control regulates speed on steep downhill gradients**

Hill Descent Control (HDC) makes it easier to crawl in bottom gear on steep downhill slopes. Using the car's brakes and engine torque, HDC controls the car's speed and keeps it steady at about 10 km/h. This function is activated via a button in the instrument panel.

### **Power Parking Brake is standard**

In order to assist the driver when starting on an uphill gradient, the XC70 has a smart, electrically operated Power Parking Brake.

## **DRIVELINE**

### **Sharper T6**

The Volvo XC70 now comes with upgraded petrol engines.

The six-cylinder, turbocharged T6 has a displacement of 3.0 litres and it now offers even sharper performance, thanks mainly to a reduction in internal friction. As in the all-new S60, it now offers 304 hp and no less than 440 Nm of torque. Maximum torque is achieved between 2100 and 4200 revs. This results in rapid acceleration and smooth driving properties. All-Wheel Drive is fitted as standard.

### **3.2-litre naturally aspirated engine**

The six-cylinder 3.2-litre naturally aspirated engine has also been upgraded and features an improved crankshaft and less internal friction. It now offers 243 hp and maximum torque is 320 Nm. In order to meet US legislative requirements, there is also a PZEV (Partial Zero Emission Vehicle) variant that produces 231 hp and 300 Nm.

### **D5 with 205 hp**

The Volvo XC70 can also be specified with the high-performance twin-turbo diesel engine D5 that produces 205 horsepower and 420 Nm of torque.

### **New 2-litre turbodiesel D3**

The new five-cylinder 2-litre turbodiesel introduced in the all-new Volvo S60 is now available also in the Volvo XC70. The new five-cylinder D3 is in principle the same engine as the well-established 2.4-litre diesel, but its displacement has been reduced with a shorter stroke to optimize fuel consumption.

The injection system has a different type of piezoelectric fuel injector compared with the D5 engine. These injectors minimize consumption with exceptionally rapid and precise injection pulses under high pressure. This promotes extremely efficient combustion.

In order to give the car better driving properties, the turbocharger has been fine-tuned to provide high torque from low revs.

In the Volvo XC70 the newly developed 2-litre diesel engine produces 163 hp and 400 Nm of torque.

### **DRIVE**

There is also a manual DRIVE turbo diesel 2.0 litre engine with a power output of 163 hp and emits 154 CO<sub>2</sub>/km and has a fuel consumption of 5.8 l/100 km.

(Please check Technical specifications for detailed information)

## **SAFETY AND SUPPORT**

### **Crumple zones made using different grades of steel**

The patented front body structure is divided into zones, each of which has a different task during the deformation sequence. The outer zones are responsible for most of the deformation. The closer the collision forces get to the passenger compartment, the less the material deforms. In order to give each zone the right properties, different grades of steel are used in different structures, a total of four different grades. Apart from regular body steel, three different grades of high-tensile steel are used: High Strength Steel, Extra High Strength Steel and Ultra High Strength Steel.

### **Strong side structure**

To optimise side-impact protection, the body's entire side structure features a well-balanced combination of high-tensile steel of different grades (High Strength Steel, Extra High Strength Steel and the extremely strong Ultra High Strength Steel). The various components and grades of steel interact to minimise penetration into the passenger compartment. The aim is instead to get the entire car to move sideways - away from the colliding vehicle.

### **Two-step booster cushion**

The booster cushion, which is integrated in the rear seat, can be set at two heights, allowing children of different sizes to sit sufficiently high to see out through the windows yet at the same time get the most effective protection possible. The lower setting is intended for children between 115 and 140 cm in height and weighing between 22 and 36 kg, while the upper setting is designed

for children measuring 95-120 cm and weighing between 15 and 25 kg. The Volvo XC70 can be equipped with integrated child booster cushions in both outer rear seats.

### **Second-generation WHIPS system**

Volvo's support for avoiding neck injuries - WHIPS (Whiplash Protection System) - is one of the most effective on the market. In the event of a rear-end collision the front seat backrest accompanies the passenger's initial body movement and dampens the incoming force rather like one's hand does when catching a ball.

The all-new features further developed generation of WHIPS to ensure that the damping motion is gentle and to provide good contact between the head and head restraint throughout the impact sequence.

### **Collision warning with Auto Brake**

Rear impacts represent a third of all reported accidents - and in more than 50 percent of these accidents, the driver doesn't brake at all.

Collision Warning with Auto Brake is a refined warning system that initially warns the driver and pre-charges the brakes. The brakes are automatically activated if the driver doesn't act when a rear-end collision with a moving or stationary vehicle is imminent.

### **Driver Alert Control (DAC)**

Driver Alert Control alerts the driver when his or her concentration level is affected, for instance during long journeys. Driver Alert Control monitors the car's movements and assesses whether the vehicle is being driven in a controlled or uncontrolled way.

### **Lane Departure Warning (LDW)**

Lane Departure Warning is activated via a button in the centre stack and it alerts the driver with a gentle warning sound if the car crosses one of the road markings without an obvious reason such as use of the turn indicator.

### **BLIS and IDIS for better control**

The Volvo XC70 is also equipped with BLIS (Blind Spot Information System) and IDIS (Intelligent Driver Information System), two innovations that help the driver maintain better control over the traffic situation. BLIS registers if another vehicle is in the offset rear blind spot alongside the car and alerts the driver via a visual signal. IDIS helps stop the driver being distracted by non-essential information in pressing situations, for instance by delaying incoming phone calls or text messages.

### **Adaptive cruise control**

Adaptive Cruise Control (ACC) continually monitors the gap to the vehicles in front and automatically adjusts the car's speed to ensure that this gap does not shrink too much.

### **Dual Xenon and Active Bending Lights (ABL)- swivelling headlamp beams**

In order to contribute to the best possible visibility during night-time driving on curving and twisting roads, the car can be equipped with Active Bending Lights - swivelling headlamps that follow the sweeps and bends of the road. By using the Dual Xenon light technology it gives a 90 per cent boost to the driver's vision round bends at night. The Dual Xenon gas discharge lamps expand the vision range at nights by about 230 per cent. This means the driver can gain a further 45 metres for braking.

### **Volvo On Call combined with Bluetooth**

Volvo XC70 with the High Performance or Premium Sound systems is equipped with an USB port, making it easy to attach an iPod®, other MP3 players or even a digital camera to the audio system. High Performance and Premium Sound levels have an HD (digital) radio function as standard. In some European countries the Premium Sound and High Performance audio systems can be supplemented with DAB-radio (Digital Audio Broadcast). This function makes it possible listening to radio broadcasts with CD quality.

The Volvo On Call is Volvo Cars' roadside assistance and emergency service and can now be combined with the Bluetooth mobile phone service. With Volvo On Call it is now even possible to activate the cabin heater remotely via SMS text messaging.

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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.

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