The all-new Volvo XC90 is a visually striking, premium quality seven seat SUV with world leading safety features, new powertrain technologies, an unrivalled combination of power and fuel efficiency and a superlative interior finish.

The new XC90 marks the beginning of a new chapter in Volvo’s history, capturing its future design direction, incorporating its own range of new technologies and utilizing its new Scalable Product Architecture (SPA) technology.

The First Edition of the all-new Volvo XC90, 1,927 individually numbered cars only available for sale via digital commerce, sold out in 47 hours after it was released in early September 2014.

DESIGN - Volvo’s new face

The new XC90 is the first Volvo to carry the company’s new more prominent iron mark, which has the iconic arrow elegantly aligned with the diagonal slash across the grille. Together with the T-shaped “Thor’s Hammer” DRL lights, the iron mark introduces an entirely new, distinctive and confident face for Volvo’s forthcoming generation of cars.

The XC90’s larger bonnet with its new topography, the beltline and the sharpened shoulders connecting with the tattoo-like, new rear lights are other important design signatures that will be mirrored across the range.

To add more visual muscle from the sides, the XC90 comes with a range of wheel sizes up to 22 inches.
Luxurious interior

The XC90’s interior is the most luxurious to have been designed for a Volvo. The most striking feature is a tablet-like touch screen control console, which forms the heart of an all-new in-car control system. This system is virtually button free, a simplicity that opens up generous surfaces and gives us the opportunity to create a modern, luxurious interior architecture.

The all-new XC90 interior combines materials such as finest Nappa leather and wood with handcrafted details, including a gear lever made of crystal glass from Orrefors, the famous Swedish glassmaker, and diamond-cut controls for the start/stop button and volume control.
New trim level strategy

Volvo Cars’ reinvented trim level strategy resembles a tree with two branches. Kinetic is the base, followed by the very competitive Momentum level.

Inscription and R-Design form the two branches on the tree. The Inscription package is designed for customers that want an elegant look and a luxurious experience, while R-Design has a sporty and dynamic aura.

In principle, the previous top level has been replaced with the Inscription and R-Design versions. Both of them feature an elevated content, carefully chosen to emphasise each of their distinctive individual personalities.

New seats

Volvo already enjoys a reputation for providing the most comfortable seats in the industry. The new XC90 enhances this reputation by offering innovatively designed seats that also free up interior space for passengers both in the second and third seat rows, helping to make the new XC90 a genuine 7-seater.

The full seat core has an ergonomic shape that resembles the human spine. A multitude of adjustment possibilities makes it possible for the individual user to create an ideal seating position. The new seats are available with adjustable side bolsters, seat cushion extension and massage.

The second row features three individual seats with recline adjustment. The sliding function can be used to create more legroom for the passengers in the third row – or to increase loading space. An integrated child booster cushion in the centre seat is optional.

The seats in the third row offer class-leading comfort for passengers with a height up to 170 cm.

CHASSIS & POWER TRAINS

Completely new chassis

When it comes to driving dynamics, the XC90 gives the smooth, solid ride of a premium SUV combined with sharp handling and response. There is a completely new chassis, front and rear.
There are a double wishbone front suspension and a new integral link rear axle that also features a new transverse leaf spring, made of lightweight material. The XC90 can also be equipped with electronically controlled air suspension with a choice of five modes.

Unrivalled combination of power and fuel efficiency
The new XC90 offers a range of two-litre, four-cylinder Drive-E powertrains, all of which provide an outstanding combination of performance and fuel-efficiency.

The top of the range XC90 Twin Engine, which combines a supercharged and turbocharged petrol engine with an electric motor, offers an unrivalled combination of power and clean operation: around 400 horsepower with carbon dioxide (CO2) emissions of 64 g/km (NEDC driving cycle).

Normal driving is conducted in the default hybrid mode. But at the push of a button the driver can switch to quiet and emission-free city driving on pure electric power where the range will be around 40 kilometres, and then, when needed, immediately revert back to the combined capacity of the petrol engine and electric motor. Combined maximum torque is over 600 Nm, making the XC90 accelerate from 0 to 100 in 6.4 seconds.

Full range of other engine options
The Volvo XC90 range also includes the D5 twin turbo diesel engine with 225 hp, 470 Nm, best in class fuel consumption of around 6l/100 km and the D4 turbo diesel engine with 190 hp, 400 Nm and a fuel consumption of around 5l/100 km.

The range also offers two petrol engine options. The first is a T6 engine with supercharger and turbo with 320 hp and a maximum torque of 400 Nm. The second is a T5 with 254 hp and 350 Nm.

All engine versions come with our 8-speed automatic gearbox as standard.
The new Sensus user interface is without doubt the most modern in-car control system on the market. It completely reinvents the way drivers operate their cars.

The traditional selection of buttons and controls has been replaced with a smooth, intuitive interaction between a large tablet-like touch screen, controls on the steering wheel and a capable voice-control system.

The digital instrumentation and the head-up display in front of the driver make sure that the most relevant information is available when needed.

Sensus gives comfortable access to a wide selection of cloud-based applications. The outstanding in-car possibilities includes Internet radio, connected navigation, finding and paying for parking, seamless music streaming, the ability to mirror and use Apple and Android devices in the touch screen display, a hot spot for using a tablet in the car – and much more.

Also – the XC90 will not only tell the driver when it’s time for service, but also suggest an appointment at a Volvo dealership.

**Digital craftsmanship**

The groundbreaking digital craftsmanship, interaction design, is based on extensive discussions with customers. The layout on the portrait screen can be described as a stack of flexible ‘tiles’, each of them displaying a key functionality.

Information, navigation and media are high up and easy to check. Phone controls, application icons and climate controls are located low, comfortable to reach and touch.
When one of the tiles on the touch screen expands on interaction, the others are compressed but still visible and instantly accessible. This makes the touch screen exceptionally user-friendly, with no need to go via a main menu when switching between functions.

**Four-zone climate system**

The all-new Volvo XC90 can be specified with a four-zone climate system with individual settings for the occupants in the front seats and in the second row. A separate air-conditioning unit for the third row is standard or optional depending on the market.

Volvo Cars’ CleanZone air purification system, one of the most efficient on the market, has been further improved by adding a new carbon filter for more efficient capture of small, harmful particles and pollen in the incoming air.

**One of the top audio systems in the world**

The XC90 features one of the top audio systems available in the automotive world. The top-of-the-line system in the XC90 features a 1,400 W Class D amplifier and 19 Bowers & Wilkins speakers. It also includes one of the first air-ventilated subwoofers in a car. Integrated into the car body, it turns the whole interior space into a giant subwoofer.

The latest sound processing software has been used to manage the timing of the sound and co-ordination of the speakers. This brings the emotional experience of a world-class live performance into the car.

**SAFETY AND SUPPORT - Most comprehensive standard safety package**

The all-new XC90 offers the most comprehensive and technologically sophisticated standard safety package available in the automotive industry. It includes two world first safety technologies: a run-off road protection package and auto brake at intersection capability.

In a run-off road scenario, the all-new Volvo XC90 detects what is happening and the front safety belts are tightened to keep the occupants in position. To help prevent spine injuries, energy-absorbing functionality between the seat and seat frame cushions the vertical forces that can arise when the car encounters a hard landing in the terrain.

The XC90 is the first car in the world with technology that features automatic braking if the driver turns in front of an oncoming car. This is a common scenario at busy city crossings as well as on highways, where the speed limits are higher.

**City Safety becomes the umbrella name for all of Volvo Cars’ auto brake functions, which are standard equipment in the all-new XC90. It now covers vehicles, cyclists and pedestrians in front of the car, day and night.**

**Automatic support in queues**

On the driver support side, the new Adaptive Cruise Control with Pilot Assist enables safe and comfortable semi-autonomous driving by automatically following the vehicle ahead in stop-and-go traffic. Acceleration, braking and now also steering are controlled automatically.

Making sure that the driver remains in full control also when maneuvering and reversing in tight spaces, the all-new XC90 features a 360° Surround view. It gives the driver a birds-eye view where information from all cameras are added up digitally to a one 360° image. The Park Assist Pilot now also offers automatic reversing into a parking bay.
all-new Volvo XC90 in Luminous Sand Metallic
XC90 T6 AWD Momentum and Inscription deliver a true next-generation, luxury SUV experience

Volvo Cars, as part of the reveal of the all-new XC90, recently announced its new trim level structure – Momentum, Inscription and R-Design – offering a tailored experience at every level. Momentum provides a well-appointed vehicle designed to meet and exceed the needs of most customers. Inscription is crafted specifically for customers that hold an additional appreciation for craftsmanship, and desire increased comfort with exclusive features. R-Design rounds out the group and delivers a sporty and dynamic aura.

Both the XC90 T6 AWD Momentum and XC90 T6 AWD Inscription will feature an extensive list of standard elements that will revolutionize the luxury SUV segment.

**Standard features highlights include:**

**Interior** – less clutter with intuitive interactions  
Revolutionary HMI user experience with 9” Sensus touch screen center display in portrait orientation with natural speech voice control  
Best-in-class cargo capacity at 85.7 cu.ft.  
7 passenger seating with spacious, class-leading 3rd row legroom
Exterior – Scandinavian luxury and design
Panoramic sunroof
19” 10-Spoke alloy wheels (Momentum)
LED Fog Lamp with Corner Illumination

Safety – advancements from the industry’s leader
Collision avoidance with Volvo’s renowned latest City Safety package, including pedestrian and cyclist detection (day and night)
Road edge detection
Lane departure warning
Roll Stability Control with inflatable curtain airbags
Next-generation Whiplash Protection System (WHIPS)
Volvo On Call, including remote lock/unlock, send to car and vehicle tracking, with smartphone app

Versatility – effortless and uncomplicated functionality
Keyless entry and drive
Rear park assist camera
Hands-free, power tailgate

In addition to the above, the T6 Inscription carries a set of distinctive standard features including:
LED headlights with active bending lights, auto high-beam and the iconic Thor’s hammer daytime running lights
Front grille in silver matte
Fine Nappa leather upholstery, dash top and upper door panels
Exclusive Linear Walnut inlays
20” 10-spoke alloy wheels
Ventilated and heated front seating
12.3” digital instrument display

A number of luxury add-ons are available for an upgraded experience, including:
LED headlights (standard in Inscription, optional package on Momentum)
12.3” digital instrument display (standard in Inscription, optional package on Momentum)
360 degree surround view camera
Park assist pilot
Adaptive cruise control with pilot assist
Bowers & Wilkins state-of-the-art sound system (1400 watts, 19 speakers including integrated subwoofer)
20” 5-spoke alloy wheels (Momentum)
21” 8-spoke alloy wheels diamond cut (Inscription)

Pricing
The T6 AWD Momentum starts at $48,900. The T6 AWD Inscription carries a MSRP of $54,500.
Additional details and pricing will follow on other announced variants including the T6 R-Design and T8 twin engine plug-in hybrid.

All-new Volvo XC90 in Crystal White Metallic
The First Edition of the all-new Volvo XC90 has an interior featuring nappa leather seats in Amber, a Charcoal leather dashboard and Linear Walnut inlays. It also features a premium audio system from Bowers & Wilkins. The limited First Edition of the all-new Volvo XC90 includes 1,927 individually numbered cars, a unique key fob, uniquely numbered tread plates and a distinctive badge on the tailgate.
The all-new Volvo XC90 Unofficial Brochure
Versions 1 (Released Oct. 23, 2015)

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