

Pressemelding

Jul 08, 2014 | ID: 147932

Volvo Cars' all-new XC90 will be the world's most powerful and cleanest SUV

Volvo Cars' all-new XC90 will be the world's most powerful and cleanest SUV

- All-wheel drive, seven seats and ultra-low emissions of around 60g/km
- Up to 400 hp and 640 Nm of torque
- New Volvo-developed Twin Engine technology

Volvo Cars' all-new XC90 will offer an unrivalled combination of power and clean operation. The all-wheel drive seven seater offers drivers up to 400 horsepower but with carbon dioxide (CO₂) emissions of around 60 g/km (NEDC driving cycle). There has never been an SUV offering this level of power this cleanly.

"There are no compromises when you drive an all-new XC90," said Peter Mertens, Senior Vice President Research and Development of Volvo Car Group. "In the past you could either have power or low CO₂ emissions. But with the all-new XC90 you can have both."

The new XC90 offers a range of Drive-E engine options, all of which provide an outstanding combination of performance and fuel-efficiency. The main distinguishing feature of the Drive-E engine range is that they are all four-cylinder engines.

"With our new Drive-E powertrains, we have created a family of intelligent petrol and diesel engines with power curves that give exciting driveability at the same time as delivering world-beating fuel economy," added Dr. Mertens. "With seven people in the new XC90, carbon dioxide emissions per person and kilometre are outstandingly low."



The CO₂ performance of the all-new XC90 will reinforce Volvo Cars' leadership when it comes to bringing more environmentally-sound technologies to market. According to figures monitored by European car industry association ACEA, Volvo Car Group delivered an industry-leading reduction of average fleet emissions by 8.4 per cent from 2012 to 2013.

Twin Engine technology

Volvo Cars has made it possible for a four-cylinder engine to provide all the driving pleasure associated with a much larger engine and do so far more efficiently and cleanly. Drive-E engines will over time be introduced across Volvo's entire range.

For the all-new XC90, the top of the range 'Twin Engine' will carry the badge 'T8' and be a plug-in electric car, hybrid car and high-performance car rolled into one.

Normal driving is conducted in the default hybrid mode. This utilises a two-litre, four-cylinder supercharged and turbocharged Drive-E petrol engine that powers the front wheels and an 80 hp (60 kW) electric motor that drives the rear wheels.

It uses the supercharger to fill in the bottom end of the power range to give the engine a big, naturally-aspirated feel, while the turbocharger kicks in when the airflow builds up. The electric motor on the rear wheels provides immediate torque.

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, with its combined output of around 400 hp and 640 Nm of torque.

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 turbo 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.

Not only is there no compromise in terms of performance or efficiency, but Volvo Cars' new Scalable Product Architecture (SPA) chassis technology also allows for far more flexibility inside

the car. Other carmakers have struggled to combine the bulk of a battery pack with a luxurious and spacious interior, something that Volvo has managed to overcome.

“Since our new SPA technology is designed from the start to accommodate electrification technologies, the Twin Engine installation does not compromise luggage or passenger space,” said Dr. Mertens.

NOTES TO EDITORS

The all-new XC90

The original XC90 was launched in 2002, and it revolutionised the SUV segment with its combination of space, versatility and safety. It went on to become a global sales phenomenon. The all-new XC90 will also be a transformational vehicle in its market segment.

The new XC90 is the first Volvo to use the company’s Scalable Product Architecture (SPA), which creates a far wider range of design possibilities improves driveability and permits the inclusion of the latest safety features and connected in-car technologies, while at the same time increasing interior space.

For more details on the all-new XC90 please check out the online media kit on the [Volvo Cars Global Newsroom](#).

Volvo Car Group in 2013

For the 2013 financial year, Volvo Car Group recorded an operating profit of 1,919 MSEK (66 MSEK in 2012). Revenue over the period amounted to 122,245 MSEK (124,547 MSEK), while net income amounted to 960 MSEK (-542 MSEK). Global retail sales for the year amounted to 427,840 (421,951) cars, an increase of 1.4 per cent compared to 2012. The operating profit was the result of cost control and strong sales and was further tangible proof of Volvo Car Group’s progress in implementing its transformation plan. For the full year 2014, the company expects to stay in black figures and predicts to record a global sales increase of a good 5 per cent.

About Volvo Car Group

Volvo has been in operation since 1927. Today, Volvo Cars is one of the most well-known and respected car brands in the world with sales of 427,000 in 2013 in about 100 countries. Volvo Cars has been under the ownership of the Zhejiang Geely Holding (Geely Holding) of China since 2010. It formed part of the Swedish Volvo Group until 1999, when the company was bought by Ford Motor Company of the US. In 2010, Volvo Cars was acquired by Geely Holding.

As of December 2013, Volvo Cars had over 23,000 employees worldwide. Volvo Cars head office, product development, marketing and administration functions are mainly located in Gothenburg, Sweden. Volvo Cars head office for China is located in Shanghai. The company’s main car production plants are located in Gothenburg (Sweden), Ghent (Belgium) and Chengdu (China), while engines are manufactured in Skövde (Sweden) and Zhangjiakou (China).

Nøkkelord:

Press Releases, XC90, Product News, 2016

Beskrivelser og fakta i dette pressematerialet gjelder Volvo Cars internasjonale bilsortiment. Egenskaper som er beskrevet, kan være ekstrautstyr. Bilspesifikasjoner kan variere fra land til land og kan endres uten forhåndsvarsel.

Relaterte bilder



[Flere Bilder >](#)

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

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

Copyright © 2025 Volvo Car Corporation (or its affiliates or licensors).