

## Press Release

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# Volvo V40 D4 with new Drive-E powertrains: 190 hp of pure driving pleasure with 99 g/km CO<sub>2</sub> emissions

## **Volvo V40 D4 with new Drive-E powertrains: 190 hp of pure driving pleasure with 99 g/km CO<sub>2</sub> emissions**

Volvo Car Group's new Drive-E powertrains – offering a world-class blend of drivability and low CO<sub>2</sub> emissions – are now coming to the Volvo V40 and V40 Cross Country.

UK customers will be able to order the new V40 D4 manual, featuring 190hp and 99 g/km CO<sub>2</sub> emissions, from June. There will also be an even lower 85 g/km version available predominantly to customers in the Netherlands.

"The Volvo V40 D4 offers a massive 80 hp more driving pleasure than others cars in the segment with CO<sub>2</sub> emissions at that level. This is yet more proof that the Drive-E powertrains take efficient driving pleasure to a new dimension," says Michael Fleiss, Vice President Powertrain at Volvo Car Group.

Initially, the V40 can be equipped with two engines from the four-cylinder Drive-E engine family: the 245 hp petrol turbo T5 and the turbo diesel D4 with 190 hp. An 8-speed automatic gearbox contributes to the refined drive.

### **Outstanding mix**

"Their outstanding take-off and responsiveness, combined with a smooth engine sound, will make the nimble V40 cars even more fun to drive, without compromising on modern customers' demand for superb fuel economy and minimised CO<sub>2</sub>-emissions," adds Michael Fleiss.

To deliver the desired responsive, smooth and fuel-efficient drivability, the Drive-E engines are teamed either with Volvo Cars' new eight-speed automatic gearbox or an enhanced six-speed manual tuned for improved fuel economy. Versions with the automatic gearbox can also be specified with paddles on the steering wheel for manual gear shifting.

### **Diesel with ground-breaking i-Art technology**

The D4 turbo diesel comes with 190 hp and 400 Nm of torque. The engine features world-first i-ART technology with pressure feedback from each fuel injector instead of using a traditional single pressure sensor in the common rail.

Each injector has an intelligent chip on top of it that monitors injection pressure. Using this information, the self-adapting i-ART system makes sure that the ideal amount of fuel is injected during each combustion cycle.

"The combination of injection pressure at 2,500 bar and i-ART technology gives the customer an engine with high performance, improved fuel economy and considerably lower emissions," says Michael Fleiss.

The diesel also features refinements such as a state-of-the-art twin-turbo, reduced friction and a smart valve solution on the cooling system for a more rapid heat-up phase after a cold start.

### **V40 D4 with fuel consumption at 74.3 mpg for UK market**

UK customers can now enjoy the new D4 engine in the V40 hatchback. Fuel consumption for the manual version is 74.3 mpg (EU Combined), which corresponds to CO<sub>2</sub> emissions at 99 g/km.

The figure for the V40 Cross Country is 70.6 mpg (104 g/km) with the manual gearbox.

The four-cylinder petrol turbo T5 has 245 hp and 350 Nm of torque. Fuel consumption in a Volvo V40 with the 8-speed automatic is 54.3mpg (136g/km). All figures are preliminary.

### **Introduced in 2013**

The first two-litre, four-cylinder Drive-E engines (called Volvo Engine Architecture [VEA] during the

development phase) were launched in autumn 2013. From May 2014, all new Volvo models, except the XC90, will be available with engines from the new powertrain family.

## Keywords:

V40, V40 Cross Country, Press Releases, 2015, Product News

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