



October 2, 2008

Opel Fuel-Efficiency Stars: Insignia joins Corsa and Astra

- 109 g/km CO₂ for the Corsa 1.3 CDTI ecoFLEX (55 kW/75 hp)
- 119 g/km CO₂ for the Astra 1.7 CDTI ecoFLEX (81 kW/110 hp)

Paris. The Insignia ecoFLEX joins a growing family of pro-environmental variants, each demonstrating Opel's refusal to compromise on performance. "These cars are as friendly to our atmosphere as they are fun to drive," says Hans Demant, Managing Director Adam Opel GmbH.

The Opel Corsa 1.3 CDTI ecoFLEX sips 4.1 liters of diesel per 100 km, emitting just 109 g/km CO₂. The Astra 1.7 CDTI ecoFLEX requires only 4.5 liters of diesel per 100 km and releases 119 g/km CO₂. Both cars are fitted with a maintenance-free diesel particulate filter as standard.

The automaker is pursuing an array of activities as part of its commitment to further reduce fuel consumption and emissions of cars with conventional combustion engines. "For us, environmental consciousness means offering clever technological innovations at affordable prices, making them accessible to as many customers as possible," Demant adds.

Corsa 1.3 CDTI ecoFLEX: CO₂ emissions reduced by 10 g/km

Thanks to improved engine control and lower vehicle weight, Opel reduced fuel consumption and CO₂ emissions of the Corsa 1.3 CDTI ecoFLEX by around nine percent. Its combined fuel consumption is now just 4.1 instead of 4.5 liters of diesel per 100 kilometers, and at 109 g/km, it emits 10 grams less CO₂ per kilometer than before, bringing cost savings to drivers.

The Corsa and Astra ecoFLEX use a similar recipe to reduce fuel consumption and emissions. On the Corsa, the calibration of the 1.3 CDTI engine is optimized and adapted to a longer transmission gear ratio. To improve its aerodynamics, the car is lowered by 20 mm, air intakes are optimized and wheels are fitted with newly designed, more effective



wheel caps. The Corsa ecoFLEX is also equipped with special roll resistance optimized smaller tires: 175/70 instead of 185/70, fitted to lighter - flow formed - 14" steel wheels. Engineers have paid extra attention to the weight reduction, shaving off no less than 45 kg. The optimized wheels and tires, for instance, allowed to reduce weight by 7.2 kg alone.

The Corsa ecoFLEX is available with five-speed manual transmission as a three door model in the equipment variants Corsa and Edition. Its performance figures are similar to its predecessor: 55 kW/75 hp output, maximum torque of 170 Nm and a top speed of 168 km/h.

New Astra 1.7 CDTI ecoFLEX: Higher performance, lower CO₂ emissions

The new Astra 1.7 CDTI ecoFLEX is available as five-door, three-door and station wagon models which come with a six-speed manual transmission. The especially economical compact car sips just 4.5 liters of diesel per 100 km and emits 119 g/km CO₂. Yet the 1.7 CDTI common-rail diesel has maximum output of 81kW/110 hp, torque of 260 Nm at 2000 rpm and a top speed of 188 km/h – proving that driving can be as friendly to the motorist as it is to the environment.

GM engineers achieved this by modifying the Astra 1.7 CDTI in a number of ways: They selected a longer axle ratio, optimized the engine management system and reduced the engine idle speed. Weight being the enemy, the curb mass of the new Astra ecoFLEX has been reduced by 30 kg.

Moreover, engineers improved aerodynamics by lowering the chassis, optimizing the front air intake and including a drag reducing lower engine compartment panel. They also reduced the power steering pump idle speed and fitted low rolling resistance 15-inch tires (16-inch optional). Both cars will be available by years' end.

Text and photos can be downloaded from the Internet at <http://media.opel.com>.