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Mercedes-Benz E420CDi



In autumn 2005, a new Mercedes-Benz E-Class model variant powered by the world's highest-torque passenger car diesel engine will go into series production. The 231-kW/314-hp V8 powerplant develops maximum torque of 730 Newton metres at engine speeds as low as 2200 rpm. This allows the new E 420 CDI to accelerate from 0 to 100 km/h in just 6.1 seconds on its way to a top speed of 250 km/h. Combined fuel consumption stands at 9.3 litres per 100 kilometres. Among the standard features of Mercedes-Benz' new flagship diesel model are a maintenance-free particulate filter, seven-speed automatic transmission and AIRMATIC air suspension.

The V8 reaches its maximum torque of 730 Newton metres at 2200 rpm, guaranteeing not only exemplary flexibility when overtaking and lightning-fast mid-range sprints, but also relaxed cruising in higher gears. The E 420 CDI requires a mere 5.4 seconds to power from 60 to 120 km/h in third gear.

The new Mercedes-Benz eight-cylinder diesel engine is fitted as standard with two oxidizing catalytic converters and a maintenance-free particulate filter system, allowing it to keep below the stringent EU-4 exhaust-gas limits. It also features a sensor in the oil sump which checks the level, temperature and quality of the oil. A display in the cockpit alerts the driver when the next oil change is due. Depending on how the car is driven, maintenance intervals of up to 40,000 kilometres are well within the range of the E 420 CDI.

The new eight-cylinder CDI engine will celebrate its series production premiere in the E-Class in autumn 2005 and will also be made available for other Mercedes-Benz passenger car model series in the future.



Text/Photos: DaimlerChrysler

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