

# The E-Class

**BLUETEC HYBRID**



Mercedes-Benz



# Its drive: the best of both worlds. Our drive: the best for the environment

Mercedes-Benz is getting even closer to achieving its declared objective – emission-free driving – whilst also underlining its powers of innovation: the combination of a 4-cylinder diesel engine and an electric motor makes the new E 300 BlueTEC HYBRID one of the most efficient models in the luxury segment. What's more, a raft of future-conscious measures has been implemented – such as optimised aerodynamics, braking energy recuperation and the ECO start/stop function. Luggage space is not restricted at all, as the lithium-ion battery is located in the engine compartment. The E 300 BlueTEC HYBRID is a milestone in terms of economy, sustainability and comfort. Plus there is a boost function, which tangibly enhances dynamism by allowing the car to accelerate using the power of both the diesel engine and the electric motor.



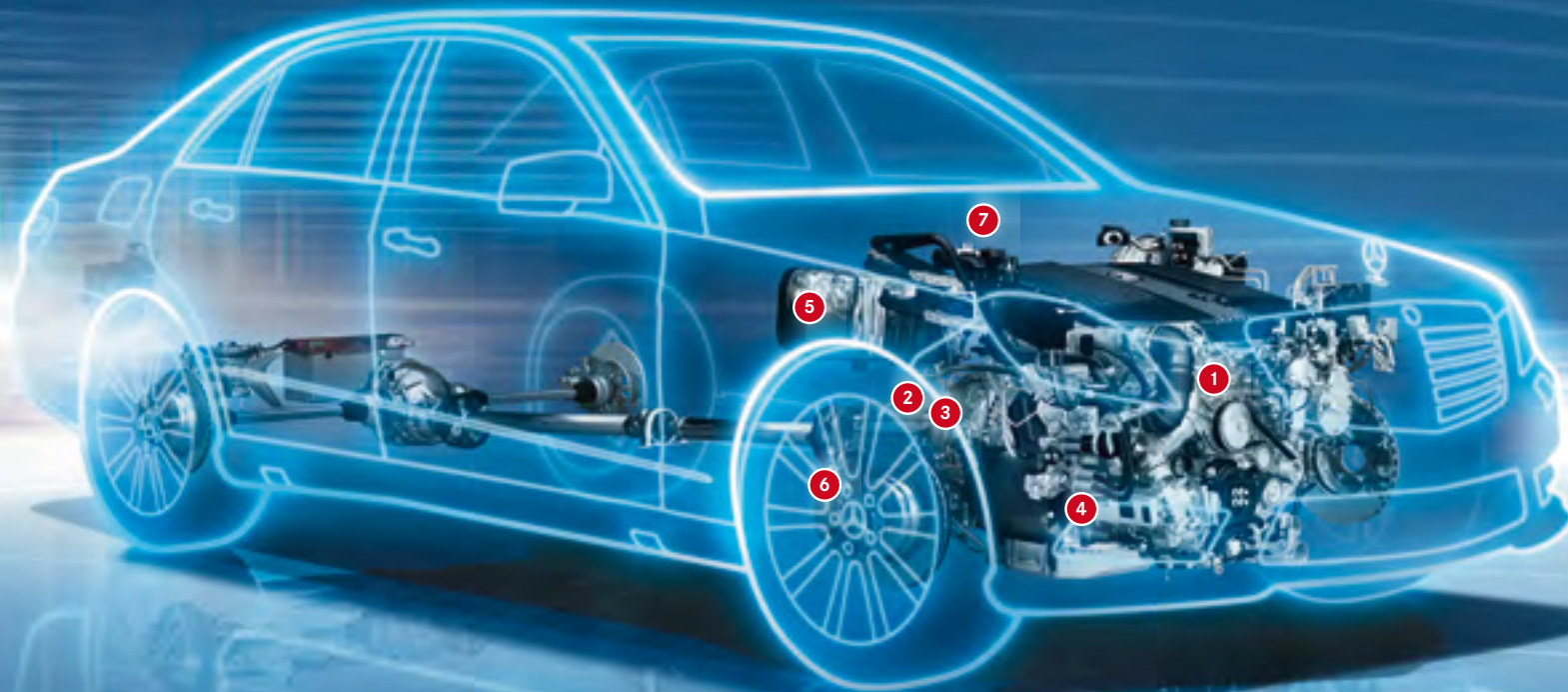




## You can drive in any car. This one also lets you sail

Quiet, relaxed cruising on long trips: the internal combustion engine can be switched off when coasting at speeds below 160 km/h if the lithium-ion battery is charged, thus substantially cutting both fuel consumption and emissions. The technical term for this highly efficient and enjoyable form of travel could not be more apt: sailing.





**1) The 4-cylinder diesel engine.** Working together with the electric motor, this unit is currently one of the most economical drive systems in its class – and not only impresses with its economy and performance figures, but also with its extraordinary refinement.

**2) The automatic transmission** is specially adapted for hybrid operation. The transitions from the internal combustion engine to the electric motor and the gear changes are barely perceptible to the driver and the vehicle occupants.

**3) The electric motor.** The particularly compact and lightweight electric motor operates extremely efficiently and backs up the diesel engine with an additional torque of up to 250 Nm.

**4) The performance electronics** automatically coordinate the diesel engine and electric motor, ensuring both optimal efficiency and untrammelled driving pleasure.

**5) The 120-volt lithium-ion battery.** This compact high-performance battery stores the energy obtained from the electric motor and braking recuperation and makes it available again if required.

**6) The recuperative braking system** feeds surplus energy to the battery when braking. The ECO start/stop function switches off the internal combustion engine when the car is at a standstill – for example when halted at traffic lights. It is then restarted in the usual way using the stored electrical energy.

**7) The hybrid display** is an easily legible dashboard display that clearly shows the current status of the energy flow from the electric motor or internal combustion engine.



# E 300 BlueTEC HYBRID



Diesel engines	Saloon	Estate
No. of cylinders/arrangement	4/in-line	4/in-line
Total displacement (cc)	2143	2143
Rated output <sup>1</sup> (kW at rpm)		
Internal combustion engine	150/4200	150/4200
Rated torque <sup>1</sup> (Nm at rpm)		
Internal combustion engine	500/1600-1800	500/1600-1800
Rated output (peak output, kW)		
Electric motor	20	20
Torque, max. (Nm)		
Electric motor	250	250
Acceleration from 0 to 100 km/h (s)	7.5	7.8
Top speed, approx. (km/h)	242	232
Fuel	Diesel	Diesel
Fuel consumption <sup>2</sup> (l/100 km)		
Urban	4.3-4.2	4.5-4.5
Extra-urban	4.3-4.2	4.6-4.4
Combined	4.3-4.2	4.5-4.4
CO <sub>2</sub> emissions <sup>2</sup> (g/km) combined	112-109	119-116
Efficiency class	A+	A+
Emissions class	Euro 5	Euro 5
Kerb weight <sup>3</sup> (kg)	1845	1955
Perm. GVW (kg)	2390	2555

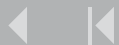
All figures are for models with the standard-fit 7G-TRONIC PLUS automatic transmission

<sup>1</sup>Figures in accordance with Directive 80/1269/EEC in the currently applicable version

<sup>2</sup>The figures shown were obtained in accordance with the prescribed measuring process (Directive VO [EC] 715/2007 in the currently applicable version). The figures are not based on an individual model and do not constitute part of the product offer; they are provided solely for the purpose of comparison between different vehicle models

<sup>3</sup>Figures in accordance with Directive 92/21/EC, version 95/48/EC (kerb weight with fuel tank 90% full, driver, 68 kg, and luggage, 7 kg) for standard-specification vehicles. Optional extras and accessories will generally increase this figure and reduce the payload capacity accordingly.

Further technical data can be found at [www.mercedes-benz.com](http://www.mercedes-benz.com)





**Take-back of end-of-life vehicles.** You can return your E-Class to us for environment-friendly disposal in accordance with the European Union (EU) End-of-Life Vehicle Directive. But that day lies a long way off.

A network of vehicle take-back depots and dismantlers has been established to make it as easy as possible for you to return your vehicle. You can leave it at any of these points free of charge and, by doing so, make an important contribution to completing the recycling process and conserving resources.

For further information about the recycling and disposal of end-of-life vehicles, and the take-back conditions, please visit your national Mercedes-Benz homepage.

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