

Technical Data E 420

Model	E 420 (124 034) ¹
Engine	119
Mode of operation	4-stroke engine, gasoline injection
No. of cylinders	8
Bore	3.62 in (92.00 mm)
Stroke	3.11 in (78.90 mm)
Total piston displacement	256.1 cu.in. (4196 cm ³)
Compression ratio	11
Output acc. to SAE J 1349	275 hp/5700 rpm (205 kW/5700 rpm)
Maximum torque acc. to SAE J 1349	295 ft-lb/3900 rpm (400 Nm/3900 rpm)
Maximum engine speed	6000 rpm
Firing order	1-5-4-8-6-3-7-2
Poly-V-belt	2460 mm

Electrical System

Generator (alternator)	
USA	14 V/110 A
Canada	14 V/120 A
Starter motor	12 V/1.8 kW
Battery	12 V/100 Ah
Spark plugs	Bosch F 9 DCO Beru 14 F-9 DUC Champion C 12 YCC
Electrode gap	0.032 in (0.8 mm)
Tightening torque	15 - 22 ft.lb. (20 - 30 Nm)

Weights	See certification tag
Roof load max.	220 lb (100 kg)
Trunk load max.	220 lb (100 kg)

¹ The quoted data apply only to the standard vehicle. See an authorized Mercedes-Benz dealer for the corresponding data of all special bodies and special equipment.

Technical Data E 420

Rims – Tires

Rims (light alloy rims)	6 ¹ / ₂ J x 15 H 2
Wheel offset	1.7 in (44 mm)
Summer tires: Radial-ply tires	195/65 R 15 91 H
Winter tires: Radial-ply tires	195/65 R 15 91 T M+ S

Main Dimensions

Overall vehicle length	187.2 in (4755 mm)
Overall vehicle width	68.5 in (1740 mm)
Overall height	56.3 in (1431 mm)
Wheel base	110.2 in (2800 mm)
Track, front	59.1 in (1501 mm)
Track, rear	58.7 in (1491 mm)