

S-Class Saloon Technical Data

	S 450 4MATIC	S 450 L 4MATIC	S 580 L 4MATIC
Engine and performance			
Cylinder arrangement/number	L6	L6	V8
Displacement (cc)	2999	2999	3982
Rated output (kW [hp] at rpm)	270 [367]/5500 - 6100	270 [367]/5500 - 6100	370 [503]/5500 - 5500
Rated torque (Nm at rpm)	500/1600 - 4500	500/1600 - 4500	700/2000 - 4000
Compression ratio	10.5 : 1	10.5 : 1	10.5 : 1
Acceleration 0-100km/h (s)	5.1	5.1	4.4
Top speed (km/h)	250	250	250
ECO start/stop function	Yes	Yes	Yes
Fuel and emissions			
Fuel	95 RON	95 RON	98 RON
Tank capacity incl. reserve (L)	76/8	76/8	76/8
Fuel consumption, urban (L/100km)	11.5	11.7	15.5
Fuel consumption , extra urban (L/100km)	6.8	6.9	8.0
Fuel consumption, combined (L/100km)	8.6	8.7	10.8
CO ₂ emissions, combined (g/km)	196	199	246
C _d value	0.26	0.25	TBA
Power transmission			
Drive system	All-wheel drive	All-wheel drive	All-wheel drive
Transmissions	9G-TRONIC Automatic	9G-TRONIC Automatic	9G-TRONIC Automatic
Automatic transmission ratios	5.35/3.24/2.25/1.64/1.21/1.00/0.87/0.72/0.60/R1 4.80	5.35/3.24/2.25/1.64/1.21/1.00/0.87/0.72/0.60/R1 4.80	5.35/3.24/2.25/1.64/1.21/1.00/0.87/0.72/0.60/R14.80
Suspension and steering			
Front axle	Multi-link	Multi-link	Multi-link
Rear axle	Multi-link	Multi-link	Multi-link
Suspension, front/rear	AIRMATIC Air Suspension	AIRMATIC Air Suspension	AIRMATIC Air Suspension
Front tyres/wheels	255/40 R 20	255/40 R 20	255/40 R 20
Rear tyres/wheels	285/35 R 20	285/35 R 20	285/35 R 20
Front brakes	Discs, internally ventilated and perforated	Discs, internally ventilated and perforated	Discs, internally ventilated and perforated
Rear brakes	Discs, internally ventilated	Discs, internally ventilated	Discs, internally ventilated
Quantities, dimensions & weights			
Boot capacity (VDA) (L)	550	550	535
Turning circle (m)	12.8	12.8	12.8
Kerb weight/payload capacity (kg)	2076/800	2149/805	2216/604
Perm.GVM (kg)	2795	2820	2820
Maximum roof load (kg)	100	100	100
Permitted towing capacity braked/unbraked	N/A	N/A	N/A

1. The information contained in this document is indicative only and correct at the time of publishing, July 2021 and may have changed since. Model lines, specifications, features and equipment levels are subject to change without notice.

2. The declared fuel and energy consumption figures are determined by testing under standardised laboratory conditions to comply with ADR 81/02. Real world fuel consumption is influenced by many additional factors such as fuel quality, individual driving style, load, traffic and vehicle condition. The declared fuel consumption figure should only be used for the purpose of comparison amongst vehicles.