

Audi S7 Sportback



TDI

Engine / electrics

Engine type	V6 engine
Valve gear / number of valves per cylinder	Roller cam follower, overhead camshafts, hydraulic valve-play compensation / 2/2 inlet/exhaust valves per cylinder
Displacement in cc / bore x stroke in mm / compression	2967 / 83.0 x 91.4 / 15.5
Max. power output in kW (PS) / at rpm	253 (344) / 3850 - 4000
Max. torque in Nm (<i>lb-ft</i>) / at rpm	700 (516.3) / 1750 - 3250
Mixture preparation	Common rail fuel injection system, intercooler
Exhaust emission control	NOx oxidizing catalytic converter, diesel particulate filter, exhaust gas recirculation, SCR catalytic converter
Emission standard	Euro 6d-ISC-FCM
Max. electrical output at 12V in kW	3
On-board voltage 1 in volts	12
On-board voltage 2 in volts	48

Drivetrain / transmission

Drive type	quattro permanent all-wheel drive with self-locking center differential
Type of rear axle differential	Standard
Clutch	Hydraulic torque converter with lock-up clutch
Transmission type	8-speed tiptronic
Transmission ratio in 1 st /2 nd gear	5.000 / 3.200
Transmission ratio in 3 rd /4 th gear	2.143 / 1.720
Transmission ratio in 5 th /6 th gear	1.313 / 1.000
Transmission ratio in 7 th /8 th gear	0.823 / 0.640
Reverse gear ratio / final drive ratio 1-2 / 2-3	-3.478 / 2.624 / 1.000

Suspension / steering / brakes

Type and design of front-axle suspension	5-link front axle
Type and design of rear-axle suspension	5-link rear axle
Tires (basic)	255/40 R 20
Wheels (basic)	Cast aluminum flow forming 8.5 J x 20
Steering	Electromechanical progressive steering with speed-dependent power assistance
Steering ratio	15.9
Turning circle in m (<i>ft</i>)	12.4 (40.7)
Brake system	Dual-circuit brake system with black/white split for front/rear axles; Front: aluminum fixed calipers; Rear: floating calipers with integrated electronic parking brake
Brake disk diameter front / rear in mm (<i>in</i>)	400 / 350 (15.7 / 13.8)

Performance / fuel / acoustics

Top speed in km/h (<i>mph</i>)	250 (155.3) (governed)
Acceleration, 0-100 km/h (0-62.1 <i>mph</i>)	5.1
Fuel type / octane value / fuel standard	Diesel / DIN EN 590

Consumption / emission*

Efficiency class	B
Fuel consumption, urban / extra-urban / combined according to NEDC in l/100 km (US mpg)	8.2 (28.7) / 5.5 - 5.4 (42.8 - 43.6) / 6.5 - 6.4 (36.2 - 36.8)
CO ₂ emissions, combined according to NEDC in g/km (g/mi)	170 - 169 (273.6 - 272.0)

Servicing / guarantee (Germany)

Service interval	30,000 km (18,641.1 mi) / 2 years, whichever comes first
Vehicle / paint / rust perforation guarantee	2 / 3 / 12 years
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	19 / 29 / 30

Weights / loads

Unladen weight without driver / with driver / gross weight limit in kg (lb)	2010 (4431.3) / 2085 (4596.6) / 2635 (5809.2)
Front / rear axle load limit in kg (lb)	1310 (2888.1) / -
Rear axle load limit min. / max. in kg (lb)	1395 (3075.4) / 1405 (3097.5)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (lb)	2100 (4629.7) / 2100 (4629.7) // 750 (1653.5)
Roof load limit / permissible nose weight in kg (lb)	90 (198.4) / 95 (209.4)

Capacities

Cooling system capacity (incl. heating) in l (US gal)	16.7 (4.4)
Engine oil capacity, including filter (change volume) in l (US qt)	6.1 (6.4)
Fuel tank capacity / optional in l (US gal)	63 (16.6) / 73 (19.3)
AdBlue fuel tank capacity / optional in l (US gal)	22 (5.8) / -

Dimensions / body

Body type / number of doors / number of seats	Unitary steel/aluminum composite construction / 5 / 4 + 1
Drag coefficient C _d / frontal area A in m ² (sq ft)	0.30 / 2.29 (24.6)
Standard dimensions (length / width excluding mirrors / height with steel springs / air springs) in mm (ft)	4979 (16.3) / 1908 (6.3) / 1417 (4.6) / -
Vehicle width, including mirrors, in mm (in)	2118 (6.9)
Wheelbase // track width front/rear in mm (ft)	2928 (9.6) // 1646 (5.4) / 1629 (5.3)
Height of loading edge in mm (ft)	664 (2.2)
Open luggage compartment - behind the 2 nd seat row in l (cu ft)	525 (18.5)
Largest luggage capacity - behind the 1 st seat row in l (cu ft)	1380 (48.7)

*Fuel consumption and CO₂ emission figures given in ranges depend on the tires/wheels used