

# Audi A7 Sportback



50 TFSI e quattro S tronic 195 kW / 220 kW

## Engine / electrics

Engine type	Inline 4-cylinder engine
Valve gear / number of valves per cylinder	Roller cam follower, continuous intake and exhaust camshaft adjustment, hydraulic valve-play compensation / 2/2 inlet/exhaust valves per cylinder
Displacement in cc / bore x stroke in mm / compression	1984 / 82.5 x 92.8 / 9.6
Max. power output in kW (PS) / at rpm	195 (265) / 5250 - 6500
Max. torque in Nm ( <i>lb-ft</i> ) / at rpm	370 (272.9) / 1600 - 4500
Mixture preparation	Direct injection, lambda control, knock control, turbocharger, intercooler
Exhaust emission control	Catalytic converter, oxygen sensor, gasoline particulate filter
Emission standard	Euro 6e
Charging time AC 0-100%, 3ph 16A@230V in min	150
Max. charging capacity AC in kW	7.4
Max. electrical output at 12V in kW	3
On-board voltage 1 in volts	12
Voltage level of the HV battery in volts	400

## Hybrid

Battery type (high-voltage) / number of cells	Lithium-ion / 104
Gross / net battery capacity in kWh	17.9 / 14.4
Max. system output in kW (PS)	220 (299)
Continuous electrical output in kW	55
Total system torque output in Nm ( <i>lb-ft</i> )	450 (331.9)
Electrical torque output in Nm ( <i>lb-ft</i> )	350 (258.1)

## Drivetrain / transmission

Drive type	quattro all-wheel drive with ultra technology
Clutch	Hydraulically actuated dual clutch (wet)
Transmission type	7-speed S tronic
Transmission ratio in 1 <sup>st</sup> /2 <sup>nd</sup> gear	3.188 / 2.190
Transmission ratio in 3 <sup>rd</sup> /4 <sup>th</sup> gear	1.517 / 1.057
Transmission ratio in 5 <sup>th</sup> /6 <sup>th</sup> gear	0.738 / 0.557
Transmission ratio in 7 <sup>th</sup> /8 <sup>th</sup> gear	0.433 / -
Reverse gear ratio / final drive ratio 1-2 / 2-3	2.750 / 4.410 / -

## 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
Wheels (basic) // Tires (basic)	Cast aluminum 8 J x 18 // 225 / 55 R 18
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	ESC/ABS/EBD electromechanical brake booster with active storage; front: fixed aluminum caliper; rear: Floating caliper with integrated electronic parking brake
Brake disk diameter front / rear in mm ( <i>in</i> )	375 (14.8) / 330 (13.0)

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**Performance / range**

Top speed / electrical in km/h ( <i>mph</i> )	250 (155.3) (limited) / 135 (83.9)
System acceleration, 0-100 km/h (0-62.1 <i>mph</i> )	6.3
Electrical range, combined (EAER) in km ( <i>mi</i> )	61 - 71 (37.9 - 44.1)
Fuel type / octane value / fuel standard	Electricity / Gasoline / 95 / DIN EN 228

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**Consumption / emission\***

Electric power consumption, weighted combined in kWh/100 km (62.1 <i>mi</i> )	21.2 - 18.9
Fuel consumption, weighted combined in l/100 km ( <i>US mpg</i> )	1.6 - 1.1 (147.0 - 213.8)
Fuel consumption with discharged battery combined in l/100 km ( <i>US mpg</i> )	8.2 - 7.2 (28.7 - 32.7)
CO <sub>2</sub> emissions, weighted combined, in g/km ( <i>g/mi</i> )	36 - 25 (57.9 - 40.2)
CO <sub>2</sub> class, weighted combined	B
CO <sub>2</sub> class with discharged battery	G - F

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**Servicing / guarantee (Germany)**

Service interval	30,000 km (18,641.1 <i>mi</i> ) / 2 years, whichever comes first
Vehicle / paint / rust perforation guarantee	2 / 3 / 12 years
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	18 / 28 / 27

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**Weights / loads**

Unladen weight without driver / with driver / gross weight limit in kg ( <i>lb</i> )	2065 / 2140 / 2650 (4552.5 / 4717.9 / 5842.2)
Front / rear axle load limit in kg ( <i>lb</i> )	1255 / 1500 (2766.8 / 3306.9)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg ( <i>lb</i> )	2000 / 2000 // 750 (4409.2 / 1653.5 // 4409.2)
Roof load limit / permissible nose weight in kg ( <i>lb</i> )	90 (198.4) / 95 (209.4)

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**Capacities**

Cooling system capacity (incl. heating) in l ( <i>US gal</i> )	16.9 (4.5)
Engine oil capacity, including filter (change volume) in l ( <i>US qt</i> )	5.2 (5.5)
Fuel tank capacity / optional in l ( <i>US gal</i> )	63 (16.6) / 73 (19.3)

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**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 <sup>2</sup> (sq ft)	0.27 / 2.29 (24.6)
Vehicle height from - to in mm (ft)	1392 - 1433 (4.6 - 4.7)
Vehicle length from - to in mm (ft)	4969 - 4980 (16.3 - 16.3)
Vehicle width, without mirrors, from - to in mm (ft)	1908 - 1908 (6.3 - 6.3)
Vehicle width, including mirrors, in mm (ft)	2118 (6.9)
Wheelbase (full load) from - to // track width front/rear in mm (ft)	2928 - 2933 // 1652 / 1637 (9.6 - 9.6 // 5.4 / 5.37)
Overhang angle, front / rear in degrees	12.4 / 16.7
Height of loading edge from - to in mm (ft)	658 - 676 (2.2 - 2.2)
Luggage compartment behind the 2 <sup>nd</sup> seat row in l (cu ft)	380 (13.4)
Largest luggage capacity behind the 1 <sup>st</sup> seat row in l (cu ft)	1235 (43.6)

**\*Information on fuel/power consumption and CO<sub>2</sub> emissions in ranges depending on the chosen equipment level of the car.**

**\*\*Value range taking into account different chassis and equipment lines in relation to the basic model.**