

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 (<i>high-voltage</i>) / number of cells	Lithium-ion / -
Gross / net battery capacity in kWh	17.9 / 14.4
Max. system output in kW (PS)	220 (299)
Peak electrical output in kW	105
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 st /2 nd gear	3.188 / 2.190
Transmission ratio in 3 rd /4 th gear	1.517 / 1.057
Transmission ratio in 5 th /6 th gear	0.738 / 0.557
Transmission ratio in 7 th /8 th 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: Fist caliper with integrated electronic parking brake
Brake disk diameter front / rear in mm (<i>in</i>)	375 (14.8) / 330 (13.0)

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 according to WLTP in km (<i>mi</i>)	71 - 61 (44.1 - 37.9)
Fuel type / octane value / fuel standard	Electricity / Gasoline / 95 / DIN EN 228

Consumption / emission*

Electric power consumption, combined according to WLTP in kWh/100 km (62.1 <i>mi</i>)	21.2 - 18.9
Fuel consumption, combined according to WLTP in l/100 km (<i>US mpg</i>)	1.6 - 1.1 (147.0 - 213.8)
CO ₂ emissions, combined according to WLTP in g/km (<i>g/mi</i>)	36 - 25 (57.9 - 40.2)

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

Weights / loads

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

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>)	52 (13.7) / -

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 (<i>sq ft</i>)	0.27 / 2.29 (24.6)
Vehicle height from - to in mm (<i>ft</i>)	1392 - 1433 (4.6 - 4.7)
Vehicle length from - to in mm (<i>ft</i>)	4969 - 4980 (16.3 - 16.3)
Vehicle width, without mirrors, in mm (<i>ft</i>)	1908 - 1908 (6.3 - 6.3)
Vehicle width, including mirrors, in mm (<i>ft</i>)	2118 (6.9)
Wheelbase (full load) from - to // track width front/rear in mm (<i>ft</i>)	2928 - 2933 (9.6 - 9.6) // 1652 (5.4) / 1637 (5.37)
Overhang angle, front / rear in degrees	12.4 / 16.8
Height of loading edge in mm (<i>ft</i>)	667 (2.2)
Luggage compartment behind the 2 nd seat row in l (<i>cu ft</i>)	380 (13.4)
Largest luggage capacity behind the 1 st seat row in l (<i>cu ft</i>)	1235 (43.6)

***Information on fuel/power consumption and CO₂ emissions in ranges depending on the chosen equipment level of the car.
Consumption and emissions values are only available according to WLTP and not according to NEDC for this vehicle.**

****Value range taking into account different chassis (steel spring and air spring) and equipment lines in relation to the basic model.**