

Audi A7 Sportback	
50 TFSI e quattro S tronic (195 kW / 220 kW)	
Technical Data	
Program for Germany	Status: 02/19/2021
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 combustion engine in kW (PS) / rpm	195 (265) / 5250 - 6500
Max. system output in kW (PS)	220 (299)
Peak electrical output in kW (PS)	105 (143)
Max. torque combustion engine in Nm (lb-ft) / at rpm	370 (272.9) / 1600 - 4500
System torque in Nm (lb-ft) / at rpm	450 (331.9)
Electrical torque output in Nm (lb-ft)	350 (258.1)
Mixture preparation	Direct injection, lambda control, knock control, turbocharger, intercooler
Exhaust emission control	Catalytic converter, oxygen sensor, gasoline particulate filter
Emissions standard	Euro-6d-ISC-FCM
Start-stop / REM	yes / yes
Battery in A / Ah	420 / 70
Max. electrical output at 12V in kilowatts	3
On-board voltage 1 in volts	12
On-board voltage 3 in volts	400
Drivetrain / transmission	
Drive type	quattro all-wheel drive with ultra technology
Type of center differential	Electronically controlled multi-plate clutch
Type of rear axle differential	quattro ultra
Clutch	Dual clutch
Transmission type	7-speed S tronic
Transmission ratio in 1st/2nd gear	3.188 / 2.190
Transmission ratio in 3rd/4th gear	1.517 / 1.057
Transmission ratio in 5th/6th gear	0.738 / 0.557
Transmission ratio in 7th/8th gear	0.433 / -
Reverse gear ratio / final drive ratio 1-2	2.75 / 4.410
Suspension / steering / brakes	
Type and design of front-axle suspension	5-link front axle; tubular anti-roll bar
Type and design of rear-axle suspension	5-link rear axle; tubular anti-roll bar
Steering	Electromechanical progressive steering with speed-dependent power assistance
Steering ratio	15.9
Turning circle in m (ft)	12.2 (40.0)
Brake control system	Dual-circuit brake system with black/white split for front/rear axles; ESC/ABS/EBD; electromechanical brake booster with active accumulator
Tires (basic)	225/55 R 18
Wheels (basic)	Alloy 8 J x 18"

Performance / acoustics	
Top speed in km/h (<i>mph</i>)	250 (155.3)
Limited	yes
Top speed (electrical) in km/h (<i>mph</i>)	135
System acceleration, 0-100 km/h (62.1 <i>mph</i>) in s	6.3
Electrical range, combined according to WLTP in km (<i>mi</i>)	69 - 61 (41.0 - 37.9)
Fuel type / octane value	Gasoline / 95
Fuel standard	DIN EN 228 (gasoline)
Exterior noise level when stationary / drive-past as per ECE R51.03 in dB (A)	70 / 67
Consumption / emissions*	
Electric power, combined, in kWh/100 km (62.1 <i>mi</i>)	17.9 - 16.9
Fuel, urban / extra-urban / combined in l/100 km (<i>US mpg</i>)	1.6 - 1.4 (147.0 - 168.0)
CO ₂ emissions, combined in g/km (<i>g/mi</i>)	36 - 32 (57.9 - 51.5)
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 / 28
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)
Axle load limit, front // rear min / max 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 in l (<i>US gal</i>)	52 (13.7) / 63 (16.6)
Dimensions / body	
Body type / number of doors	Unitary steel/aluminum composite construction / 5
Number of seats	4+1
Drag coefficient Cd / frontal area A in m ² (<i>sq ft</i>)	0.27 / 2.29 (24.6)
Standard dimensions (length / width excluding mirrors / height with steel springs) in mm (<i>ft</i>)	4969 (16.3) / 1908 (6.3) / 1421 (4.7)
Width including mirrors in mm (<i>ft</i>)	2118 (6.9)
Wheelbase / track width front/rear in mm (<i>ft</i>)	2926 (9.6) / 1651 (5.42) / 1637 (5.37)
Overhang angle of steel springs, front/rear in degrees	13.10 / 12.30
Height of loading edge with steel springs in mm (<i>ft</i>)	667 (2.2)
Open luggage compartment - behind the 2nd seat row in l (<i>cu ft</i>)	380 (13.4)
Largest luggage capacity - behind the 1st seat row in l (<i>cu ft</i>)	1235 (43.6)
Hybrid / BEV-specific values	
Battery type	Lithium-ion
Battery energy content in kWh	17.9 / 14.4
Continuous electrical output in kW	55

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