

Technical Data		Audi A7 Sportback 50 TDI (3.0) quattro tiptronic 210 kW (MHEV)
Program for Germany	Date published: 02/02/2018	
Engine / electronics		
Engine type	V6 engine	
Valve gear / number of valves per cylinder	Roller cam followers, overhead camshafts, hydraulic valve play adjustment / 2/2 inlet/exhaust valves per cylinder	
Displacement in cm ³ / bore x stroke in mm / compression	2967 / 83.0 x 91.4 / 16.0	
Max. power output in kW (hp) / at rpm	210 (286) / 3500 – 4000	
Max. torque in Nm (lb-ft) / at rpm	620 (457.3) / 2250 - 3000	
Mixture preparation	Common rail injection system	
Exhaust emission control	Oxidizing catalytic converter, diesel particulate filter, exhaust gas recirculation	
Emission standard	EU 6	
Alternator in A / battery rated capacity in Ah	Not available / 70	
Max. electrical output at 12V in kilowatts	3	
Start-stop system / REM	yes / yes	
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 center differential	Self-locking	
Type of rear axle differential	Standard	
Clutch	Hydraulic torque converter with lock-up clutch	
Transmission type	8-speed tiptronic / automatic	
Transmission ratio in 1st/2nd gear	5.000 / 3.200	
Transmission ratio in 3rd/4th gear	2.143 / 1.720	
Transmission ratio in 5th/6th gear	1.313 / 1.000	
Transmission ratio in 7th/8th gear	0.823 / 0.640	
Reverse gear transmission ratio / final drive ratio 1-2	3.478 / 2.624	
Suspension / steering / brakes		
Type and design of front axle suspension	Five-link front axle; tubular anti-roll bar	
Type and design of rear axle suspension	Five-link rear axle; tubular anti-roll bar	
Steering	Electromechanical progressive steering with speed-dependent power assistance	
Steering ratio / optional steering ratio	15.8 / -	
Turning circle / optional 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; brake booster, hydraulic brake assist	
Tires (basic)	225/55 R 18 102 Y not available -	
Wheels (basic)	Cast aluminum 8.0Jx18"	
Performance / consumption / acoustics		
Top speed in km/h (mph)	250 (155.3)	
Governed	yes	
Acceleration, 0-100 km/h (0-62.1 mph)	5.7	
Fuel grade / octane value	Diesel / -	
Fuel standard	DIN EN 590	
Exterior noise level when stationary / passing as per ECE R51.02 / passing as per ECE R51.03 in db (A)	69.9 / 68 / 69	
Fuel consumption / emissions (according to tire size)		
Tire package A		
Tire package A: designation	225/55 R18 102Y, I54	
Tire package A fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (US mpg)	6.1 (38.6) / 5.1 (46.1) / 5.5 (42.8)	
Tire package A CO2 emissions urban/extra-urban/combined in grams per kilometer (g/mi)	158 (254.3) / 133 (214.0) / 142 (228.5)	
Tire package B		
Tire package B: designation	225/55 R18 102V AS, I95	
Tire package B fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (US mpg)	6.2 (37.9) / 5.2 (45.2) / 5.6 (42.0)	
Tire package B CO2 emissions urban/extra-urban/combined in grams per kilometer (g/mi)	162 (260.7) / 138 (222.1) / 147 (236.6)	
Tire package C		
Tire package C: designation	225/55 R18 102Y low rolling resistance, I93	
Tire package C fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (US mpg)	6.2 (37.9) / 5.2 (45.2) / 5.6 (42.0)	
Tire package C CO2 emissions urban/extra-urban/combined in grams per kilometer (g/mi)	162 (260.7) / 138 (222.1) / 147 (236.6)	
Tire package D		
Tire package D: designation	245/45 R19 102Y, H2X	
Tire package D fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (US mpg)	6.2 (37.9) / 5.2 (45.2) / 5.6 (42.0)	
Tire package D CO2 emissions urban/extra-urban/combined in grams per kilometer (g/mi)	162 (260.7) / 138 (222.1) / 147 (236.6)	
Tire package E		
Tire package E: designation	255/40 R20 101Y, HH1	
Tire package E fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (US mpg)	6.4 (36.8) / 5.4 (43.6) / 5.8 (40.6)	
Tire package E CO2 emissions urban/extra-urban/combined in grams per kilometer (g/mi)	165 (265.5) / 141 (226.9) / 150 (241.4)	
Tire package F		
Tire package F: designation	255/35 R21 98Y, I56	
Tire package F fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (US mpg)	6.4 (36.8) / 5.4 (43.6) / 5.8 (40.6)	
Tire package F CO2 emissions urban/extra-urban/combined in grams per kilometer (g/mi)	165 (265.5) / 141 (226.9) / 150 (241.4)	

Servicing / guarantee (Germany)	
Service interval (mi)	30,000 km (18,641.1) / 2 years, whichever comes first
Vehicle / paint / rust perforation guarantee	2 / 3 / 12 (years)
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	20 / 28 / 28
Weights / loads	
Unladen weight without driver / with driver / gross weight limit in kg (lb)	1880 (4144.7) / 1955 (4310.0) / 2535 (5588.7)
Gross weight limit min. / max. in kg (lb)	2535 (5588.7) / 2535 (5588.7)
Axle load limit at front/rear in kg (lb)	1270 (2799.9) / 1305 (2877.0)
Axle load limit at rear in kg (lb)	Not available
Axle load limit min. / max. in kg (lb)	1305 (2877.0) / 1390 (3064.4)
Trailer load limit on 8% / 12% gradient, braked // unbraked; in kg (lb)	2000 (4409.2) / 2000 (4409.2) // 750 (1653.5)
Roof load limit / permissible nose weight in kg (lb)	90 (198.4) / 95 (209.4)
Optional nose weight limit in kg (lb)	Not available
Capacities	
Cooling system capacity (incl. heating) in l (US gal)	11.6 (3.1)
Engine oil capacity, including filter (change volume) in liters (US qt)	6.1 (6.4)
Fuel tank capacity in liters (US gal)	63 (16.6)
Optional fuel tank capacity in liters (US gal)	73 (19.3)
Dimensions / body	
Body type / number of doors / number of seats	Unitary steel/aluminum composite construction
Drag coefficient Cd / frontal area A in m ² (sq ft)	0.27 / 2.29 (24.6)
Standard dimensions (length / width excluding mirrors / height with steel springs / height with air springs) in mm (ft)	4969 (16.3) / 1908 (6.3) / 1422 (4.7) / -
Width including mirrors in mm (ft)	2118 (6.9)
Wheelbase / track width front/rear in mm (ft)	2926 (9.6) / 1651 (5.42) / 1637 (5.37)
Overhang angle of steel springs front/rear in degrees	12.40 / 14.10
Overhang angle of air springs front/rear in degrees	-
Height of loading lip with steel springs / air springs in mm (ft)	669 (2.2) / -
Luggage capacity behind 2nd seat bench, open / closed in l (cu ft)	Not available / 535 (18.9)