

Technical Data	Audi S6 Avant TDI
Program for Germany	Status: 04/10/2019
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 (hp) / rpm	257 (349) / 3850 - 3850
Max. torque in Nm (lb-ft) / at rpm	700 (516.3) / 2500 - 3100
Mixture preparation	Common rail fuel injection system, intercooler
Exhaust emission control	Oxidizing catalytic converter, diesel particulate filter, exhaust gas recirculation, SCR catalytic converter
Emissions standard	EU6
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 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 ratio / final drive ratio 1-2	3.478 / 2.624
Suspension / steering / brakes	
Type and design of front-axle suspension	Five-link front suspension; tubular anti-roll bar
Type and design of rear-axle suspension	Five-link rear suspension; tubular anti-roll bar
Steering	Electromechanical steering with speed-dependent power assistance
Steering ratio min. / max.	15.8 / 15.8
Turning circle / turning circle optional in m (ft)	12.1 (39.7) / not available
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)	255/40 R 20 101 Y XL (Extra Load)
Wheels (basic)	Cast aluminum flow forming 8.5Jx20"

Performance / acoustics	
Top speed in km/h (<i>mph</i>)	250 (155.3)
Limited	yes
Acceleration, 0-100 km/h (0-62.1 <i>mph</i>)	5.1
Fuel type / octane value	Diesel / -
Fuel standard	DIN EN 590 not available
Exterior noise level when stationary / drive-past as per ECE R51.02 / drive-past as per ECE R51.03 in dB (A)	69.1 / 74 / 70
Consumption / emissions*	
Fuel consumption, urban / extra-urban / combined in liters per 100 kilometers (<i>US mpg</i>)	7.7 (30.5) / 5.8 (40.6) / 6.5 (36.2)
CO ₂ emissions combined in grams per kilometer (<i>g/mi</i>)	171 (275.2)
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	17 / 28 / 28
Weights / loads	
Unladen weight without driver / with driver / gross weight limit in kg (<i>lb</i>)	2020 (4453.3) / 2095 (4618.7) / 2655 (5853.3)
Front/rear axle load limit in kg (<i>lb</i>)	1305 (2877.0) / not available
Rear axle load limit min. / max. in kg (<i>lb</i>)	1430 (3152.6) / 1430 (3152.6)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (<i>lb</i>)	2100 (4629.7) / 2100 (4629.7) // 750 (1653.5)
Roof load limit / permissible nose weight in kg (<i>lb</i>)	100 (220.5) / 95 (209.4)
Capacities	
Cooling system capacity (incl. heating) in liters (<i>US gal</i>)	13.6 (3.6)
Engine oil capacity, including filter (change volume) in liters (<i>US qt</i>)	6.1 (6.4)
Fuel tank capacity in liters (<i>US gal</i>)	63 (16.6)
Optional fuel tank capacity in liters (<i>US gal</i>)	73 (19.3)
AdBlue fuel tank capacity in liters (<i>US gal</i>)	12 (3.2)
AdBlue optional fuel tank capacity in liters (<i>US gal</i>)	22 (5.8)
Dimensions / body	
Body type / number of doors	Unitary steel/aluminum composite construction / 5
Number of seats	5
Drag coefficient Cd / frontal area A in m ² (<i>sq ft</i>)	0.30 / 2.33 (25.1)
Standard dimensions (length / width excluding mirrors / height with steel springs / height with air springs) in mm (<i>ft</i>)	4954 (16.3) / 1886 (6.2) / 1481 (4.9) / -
Width including mirrors in mm (<i>ft</i>)	2110 (6.9)
Wheelbase / track width front/rear in mm (<i>ft</i>)	2928 (9.6) / 1620 (5.32) / 1603 (5.26)
Height of loading edge with steel springs / air springs in mm (<i>ft</i>)	619 (2.0) / -
Luggage capacity behind 2nd seat bench, open / closed in l (<i>cu ft</i>)	550 (19.4) / -
Open luggage compartment - behind the 2nd seat row in l (<i>cu ft</i>)	550 (19.4)

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