Audi A6 Avant

45 TDI quattro S tronic 180 kW MHEV

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 / 16.3
Max. power output in kW (PS) / at rpm	180 (245) / 3500 - 4750
Max. torque in Nm *(lb-ft)* / at rpm	500 *(368.8)* / 1500 - 3250
Mixture preparation	Common rail fuel injection system, intercooler
Exhaust emission control	NOx oxidizing catalytic converter, diesel particulate filter, exhaust gas recirculation, SCR catalytic converter
Emission standard	Euro 6e
Max. electrical output at 12V in kW	3
On-board voltage 1 in volts	12
On-board voltage 2 in volts	48

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	Hydraulically operated dual clutch (wet)
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 / 0.508
Transmission ratio in 7th/8th gear	0.386 / -
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
Tires (basic)	225 / 60 R 17
Wheels (basic)	Forged aluminum 7.5 J x 17
Steering	Electromechanical progressive steering with speed-dependent power assistance
Steering ratio	15.9
Turning circle in m *(ft)*	12.1 *(39.7)*
Brake system	ESC/ABS/EBD, brake booster, hydraulic brake assist; Front: aluminum fixed calipers; Rear: floating calipers with integrated electronic parking brake
Brake disk diameter front / rear in mm *(in)*	338 *(13.3)* / 330 *(13.0)*

Performance / fuel

Top speed in km/h *(mph)*	250 *(155.3)* (governed)
Acceleration, 0-100 km/h *(0-62.1 mph)*	6.4
Fuel type / octane value / fuel standard	Diesel / DIN EN 590

Consumption / emission*

Fuel consumption, combined in l/100 km *(US mpg)*	7.1 - 6.4 *(33.1 - 36.8)*
CO_2 emissions, combined in g/km *(g/mi)*	186 - 167 *(299.3 - 268.8)*
CO_2 class	G - F

Servicing / guarantee (Germany)

Service interval	30,000 km *(18,641.1 mi)* / 2 years, whichever comes first
Vehicle / paint / rust perforation guarantee	2 / 3 / 12 years
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	16 / 27 / 27

Weights / loads

Unladen weight without driver / with driver / gross weight limit in kg *(lb)*	1890 *(4166.7)* / 1965 *(4332.1)* / -
Gross weight limit min. / max. in kg *(lb)*	2550 *(5621.8)* / 2570 *(5665.9)*
Front / rear axle load limit in kg *(lb)*	1255 *(2766.8)* / -
Rear axle load limit min. / max. in kg *(lb)*	1305 *(2877.0)* / 1420 *(3130.6)*
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)*	100 *(220.5)* / 95 *(209.4)*

Capacities

Cooling system capacity (incl. heating) in l *(US gal)*	15.7 *(4.1)*
Engine oil capacity, including filter (change volume) in l *(US qt)*	6.1 *(6.4)*
Fuel tank capacity / optional in l *(US gal)*	63 *(16.6)* / 73 *(19.3)*
AdBlue fuel tank capacity / optional in l *(US gal)*	12 *(3.2)* / 22 *(5.8)*

Dimensions** / body

Body type / number of doors / number of seats	Unitary steel/aluminum composite construction / 5 / 5
Drag coefficient C_d / frontal area A in m^2 *(sq ft)*	0.29 / 2.33 *(25.1)*
Vehicle height from - to in mm *(ft)*	1453 - 1518 *(4.8 - 5.0)*
Vehicle length from - to in mm *(ft)*	4939 - 4964 *(16.2 - 16.3)*
Vehicle width, without mirrors, from - to in mm *(ft)*	1886 - 1886 *(6.2 - 6.2)*
Vehicle width, including mirrors, in mm *(ft)*	2110 *(6.9)*
Wheelbase (full load) from - to // track width front/rear in mm *(ft)*	2928 - 2933 *(9.6 - 9.6)* // 1630 *(5.3)* / 1617 *(5.3)*
Overhang angle, front / rear in degrees	13.7 / 17.0
Height of loading edge from - to in mm *(ft)*	612 - 668 *(2.0 - 2.2)*
Luggage compartment behind the 2nd seat row in l *(cu ft)*	550 *(19.4)*
Largest luggage capacity behind the 1st seat row in l *(cu ft)*	1660 *(58.6)*

***Additional equipment and accessories (attachments, tire size, etc.) may change relevant vehicle parameters, such as weight, rolling resistance and aerodynamics, and, alongside weather and traffic conditions as well as individual driving style, may affect a vehicle's fuel consumption, CO_2 emissions and performance figures.**

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