

Audi A5 Avant



e-hybrid quattro 270 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 / 12.5
Max. power output in kW (PS) / at rpm	185 (252) / 5000 - 6500
Max. torque in Nm (<i>lb-ft</i>) / at rpm	380 (280.3) / 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-bis
Charging time AC 0-100%, 3ph 16A@230V in min	150
Max. charging capacity AC in kW	11
On-board voltage 1 in volts	12
Voltage level of the HV battery in volts	400

Hybrid

Battery type (high-voltage) / number of cells	Lithium-Ion / 102
Gross / net battery capacity in kWh	25.9 / 20.7
Max. system output in kW (PS)	270 (367)
Peak electrical output in kW	105
Continuous electrical output in kW	55
Total system torque output in Nm (<i>lb-ft</i>)	500 (368.8)
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 // 235 / 45 R 18
Steering	Electromechanical progressive steering with speed-dependent power assistance
Steering ratio	15.2
Turning circle in m (<i>ft</i>)	12.2 (40.0)
Brake system	ESC/ABS/EBD, brake unit, hydraulic brake assist; Front: floating calipers; Rear: floating calipers with integrated electronic parking brake
Brake disk diameter front / rear in mm (<i>in</i>)	360 / 350 (14.2 / 13.8)

Performance / range

Top speed / electrical in km/h (<i>mph</i>)	250 (155.3) (limited) / 140 (87.0)
System acceleration, 0-100 km/h (0-62.1 <i>mph</i>)	5.1
Electrical range, City (EAER) in km (<i>mi</i>)	103 - 109 (64.0 - 67.7)
Electrical range, combined (EAER) in km (<i>mi</i>)	94 - 104 (58.4 - 64.6)
Fuel type / octane value / fuel standard	Gasoline / 95 / DIN EN 228

Consumption / emission*

Electric power consumption, weighted combined in kWh/100 km (62.1 <i>mi</i>)	15.9 - 15.3
Fuel consumption, weighted combined in l/100 km (<i>US mpg</i>)	2.7 - 2.2 (87.1 - 106.9)
Fuel consumption with discharged battery combined in l/100 km (<i>US mpg</i>)	7.4 - 6.7 (31.8 - 35.1)
CO ₂ emissions, weighted combined, in g/km (<i>g/mi</i>)	61 - 50 (98.2 - 80.5)
CO ₂ class, weighted combined	B
CO ₂ class with discharged battery	F - E

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 / 25 / 25

Weights / loads

Unladen weight without driver / with driver / gross weight limit in kg (<i>lb</i>)	2110 / 2185 / 2665 (4651.8 / 4817.1 / 5875.3)
Front / rear axle load limit in kg (<i>lb</i>)	1245 / 1500 (2744.8 / 3306.9)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (<i>lb</i>)	1900 (4188.8) / 1700 (3747.9) // 750 (1653.5)
Roof load limit / permissible nose weight in kg (<i>lb</i>)	90 (198.4) / 80 (176.4)

Capacities

Cooling system capacity (incl. heating) in l (<i>US gal</i>)	13 (3.4)
Engine oil capacity, including filter (change volume) in l (<i>US qt</i>)	6 (6.3)
Fuel tank capacity / optional in l (<i>US gal</i>)	46 (12.2) / -

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)	0.30 / 2.30 (24.8)
Vehicle height from - to in mm (ft)	1426 - 1478 (4.7 - 4.8)
Vehicle length from - to in mm (ft)	4829 - 4835 (15.8 - 15.9)
Vehicle width, without mirrors, from - to in mm (ft)	1860 - 1860 (6.1 - 6.1)
Vehicle width, including mirrors, in mm (ft)	2099 (6.9)
Wheelbase (full load) from - to // track width front/rear in mm (ft)	2896 - 2900 (9.5 - 9.5) // 1620 / 1607 (5.3 / 5.3)
Overhang angle, front / rear in degrees	14.9 / 18.6
Height of loading edge from - to in mm (ft)	641 - 671 (2.1 - 2.2)
Luggage compartment behind the 2 nd seat row in l (cu ft)	361 (12.7)
Largest luggage capacity behind the 1 st seat row in l (cu ft)	1306 (46.1)

*Information on fuel/power consumption and CO₂ emissions in ranges depending on the chosen equipment level of the car.

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