

Audi A8



60 TFSI e quattro tiptronic 250 / 340 kW

Engine / electrics

Engine type	V6 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	2995 / 84.5 x 89.0 / 11.2
Max. power output in kW (PS) / at rpm	250 (340) / 5000 - 6400
Max. torque in Nm (<i>lb-ft</i>) / at rpm	500 (368.8) / 1370 - 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
Charging time AC 0-100%, 3ph 16A@230V in min	150
Max. charging capacity AC in kW	7.4
Max. electrical output at 12V in kW	3
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 / -
Gross / net battery capacity in kWh	17.9 / 14.4
Max. system output in kW (PS)	340 (462)
Peak electrical output in kW	100
Continuous electrical output in kW	60
Total system torque output in Nm (<i>lb-ft</i>)	700 (516.3)
Electrical torque output in Nm (<i>lb-ft</i>)	400 (295.5)

Drivetrain / transmission

Drive type	quattro permanent all-wheel drive with self-locking center differential
Clutch	Hydraulic torque converter with lock-up clutch
Transmission type	8-speed tiptronic
Transmission ratio in 1 st /2 nd gear	4.714 / 3.143
Transmission ratio in 3 rd /4 th gear	2.106 / 1.667
Transmission ratio in 5 th /6 th gear	1.285 / 1.000
Transmission ratio in 7 th /8 th gear	0.839 / 0.667
Reverse gear ratio / final drive ratio 1-2 / 2-3	3.317 / 3.076 / -

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 flow forming 9 J x 19 // 255 / 45 R 19
Steering	Electromechanical progressive steering with speed-dependent power assistance
Steering ratio	15.8
Turning circle in m (<i>ft</i>)	12.5 (41.0)
Brake system	ESC/ABS/EBD electromechanical brake booster with active storage; front: fixed aluminum caliper; rear: Fist caliper with integrated electronic parking brake
Brake disk diameter front / rear in mm (<i>in</i>)	400 / 350 (15.7 / 13.8)

Performance / range

Top speed / electrical in km/h (<i>mph</i>)	250 (155.3) (limited) / 135 (83.9)
System acceleration, 0-100 km/h (<i>0-62.1 mph</i>)	4.7
Electrical range, combined (EAER) in km (<i>mi</i>)	60 - 54 (37.3 - 33.6)
Fuel type / octane value / fuel standard	Electricity / Gasoline / 95 / DIN EN 228

Consumption / emission*

Electric power consumption, weighted combined in kWh/100 km (<i>62.1 mi</i>)	23.6 - 21.9
Fuel consumption, weighted combined in l/100 km (<i>US mpg</i>)	2.1 - 1.7 (112.0 - 138.4)
Fuel consumption with discharged battery combined in l/100 km (<i>US mpg</i>)	9.4 - 8.7 (25.0 - 27.0)
CO ₂ emissions, weighted combined, in g/km (<i>g/mi</i>)	48 - 39 (77.2 - 62.8)
CO ₂ class, weighted combined	B
CO ₂ class with discharged battery	G

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	20 / 28 / 29

Weights / loads

Unladen weight without driver / with driver / gross weight limit in kg (<i>lb</i>)	2310 / 2385 / 2910 (5092.7 / 5258.0 / 6415.5)
Front / rear axle load limit in kg (<i>lb</i>)	1500 / 1550 (3306.9 / 3417.2)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (<i>lb</i>)	2300 / 2300 // 750 (5070.6 / 5070.6 // 1653.5)
Roof load limit / permissible nose weight in kg (<i>lb</i>)	90 / 95 (198.4 - 209.4)

Capacities

Cooling system capacity (incl. heating) in l (<i>US gal</i>)	19.6 (5.2)
Engine oil capacity, including filter (change volume) in l (<i>US qt</i>)	7.2 (1.9)
Fuel tank capacity / optional in l (<i>US gal</i>)	65 (17.2) / -

Dimensions / body**

Body type / number of doors / number of seats	Audi Space Frame (ASF) / 4 / 5
Drag coefficient C_d / frontal area A in m^2 (<i>sq ft</i>)	0.26 / 2.43 (26.2)
Vehicle height from - to in mm (<i>ft</i>)	1462 - 1487 (4.8 - 4.9)
Vehicle length from - to in mm (<i>ft</i>)	5190 - 5190 (17.0 - 17.0)
Vehicle width, without mirrors, in mm (<i>ft</i>)	1945 - 1945 (6.4 - 6.4)
Vehicle width, including mirrors, in mm (<i>ft</i>)	2130 (7.0)
Wheelbase (full load) from - to // track width front/rear in mm (<i>ft</i>)	2998 - 2998 // 1635 / 1623 (9.8 - 9.8 // 5.4 / 5.3)
Overhang angle, front / rear in degrees	10.9 / 14.5
Height of loading edge in mm (<i>ft</i>)	693 (2.3)
Luggage compartment behind the 2 nd seat row in l (<i>cu ft</i>)	390 (13.8)

***Information on fuel/power consumption and CO₂ emissions in ranges depending on the chosen equipment level of the car. Consumption and emissions values are only available according to WLTP and not according to NEDC for this vehicle.**

****Value range taking into account different chassis (steel spring and air spring) and equipment lines in relation to the basic model.**