

Technical Data		Audi A8 50 TDI quattro tiptronic 210 kW	
Program for Germany		Status: 12/03/2021	
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) / rpm	210 (286) / 3500 - 4000		
Max. torque in Nm (<i>lb-ft</i>) / at rpm	600 (442.5) / 1750 - 3250		
Mixture preparation	Common rail fuel injection system, intercooler		
Exhaust emission control	NO _x oxidizing catalytic converter, diesel particulate filter, exhaust gas recirculation, SCR catalytic converter		
Emissions standard	Euro-6d-ISC-FCM		
Start-stop / recuperation management	yes / yes		
Battery in A / Ah	380 / 68		
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 rear axle differential	Standard		
Clutch	Hydraulic torque converter with lock-up clutch		
Transmission type	8-speed tiptronic		
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 / 2.503		
Suspension / steering / brakes			
Type and design of front-axle suspension	5-link front axle; air spring suspension		
Type and design of rear-axle suspension	5-link rear axle; air spring suspension		
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 control system	Dual-circuit brake system with black/white split for front/rear axles; front: aluminum fixed caliper; rear: floating caliper with integrated electronic parking brake		
Tires (basic)	235/55 R 18		
Wheels (basic)	Alloy 8 J x 18"		
Performance			
Top speed in km/h (<i>mph</i>)	250 (155.3)		
Limited	yes		
Acceleration, 0-100 km/h (0-62.1 <i>mph</i>)	5.9		
Fuel type / octane value	Diesel / -		
Fuel standard	DIN EN 590 (diesel)		

Consumption / emissions*	
Fuel consumption, urban / extra-urban / combined in l/100 km (US mpg)	8.8 - 8.6 (26.7 - 27.4) / 5.5 - 5.2 (42.8 - 45.2) / 6.7 - 6.5 (35.1 - 36.2)
CO ₂ emissions, combined in g/km (g/mi)	176 - 170 (283.2 - 273.6)
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	21 / 29 / 29
Weights / loads	
Unladen weight without driver / with driver / gross weight limit in kg (lb)	2020 (4553.3) / 2095 (4618.7) / 2710 (5974.5)
Front/rear axle load limit in kg (lb)	1400 (3086.5) / 1460 (3218.7)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (lb)	2300 (5070.6) / 2300 (5070.6) // 750 (1653.5)
Roof load limit / permissible nose weight in kg (lb)	90 (198.4) / 95 (209.4)
Capacities	
Cooling system capacity (incl. heating) in l (US gal)	17.2 (4.5)
Engine oil capacity, including filter (change volume) in l (US qt)	6.1 (6.4)
Fuel tank capacity in l (US gal)	82 (21.7)
AdBlue fuel tank capacity / AdBlue optional fuel tank capacity in l (US gal)	24 (6.3)
Dimensions / body	
Body type / number of doors	Audi Space Frame (ASF) / 4
Number of seats	5
Drag coefficient Cd / frontal area A in m ² (sq ft)	0.26 / 2.43 (26.2)
Standard dimensions (length / width excluding mirrors / height with air springs) in mm (ft)	5190 (17.0) / 1945 (6.4) / - / 1473 (4.8)
Width including mirrors in mm (ft)	2130 (7.0)
Wheelbase // track width front/rear in mm (ft)	2998 (9.8) // 1645 (5.4) / 1633 (5.36)
Overhang angle of air springs, front/rear in degrees	11.0 / 15.0
Height of loading edge with air springs in mm (ft)	696 (2.3)
Closed luggage compartment behind the 2nd seat row in l (cu ft)	505 (17.8)

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