

Technical Data		Audi A8 55 TFSI quattro tiptronic (250 kW)	
Program for Germany		Status: 09/25/2019	
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 (hp) / rpm		250 (340) / 5000 - 6400	
Max. torque in Nm (lb-ft) / at rpm		500 (368.8) / 1370 - 4500	
Mixture preparation		Direct injection, lambda control, knock control, turbocharger, intercooler	
Exhaust emission control		Close-coupled catalytic converter, oxygen sensor	
Emissions standard		EU6	
Start-stop / REM		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	
Clutch		Hydraulic torque converter with lock-up clutch	
Transmission type		8-speed tiptronic / automatic	
Transmission ratio in 1st/2nd gear		4.714 / 3.143	
Transmission ratio in 3rd/4th gear		2.106 / 1.667	
Transmission ratio in 5th/6th gear		1.285 / 1.000	
Transmission ratio in 7th/8th gear		0.839 / 0.667	
Reverse gear ratio / final drive ratio 1-2		3.317 / 3.076	
Suspension / steering / brakes			
Type and design of front-axle suspension		Five-link front axle; tubular anti-roll bar; air spring suspension	
Type and design of rear-axle suspension		Five-link rear axle; tubular anti-roll bar; air spring suspension	
Steering		Electromechanical progressive steering with speed-dependent power assistance	
Steering ratio min. / max.		- / 15.8	
Turning circle / turning circle optional in m (ft)		12.5 (41.0) / -	
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)		235/55 R18 104 Y	
Wheels (basic)		Forged aluminum 8.0Jx18"	
Performance / acoustics			
Top speed in km/h (mph)		250 (155.3)	
Limited		yes	
Acceleration, 0-100 km/h (0-62.1 mph)		5.6	
Fuel type / octane value		Gasoline / 95	
Exterior noise level when stationary / drive-past as per ECE R51.02 / drive-past as per ECE R51.03 in dB (A)		70.0 / 67 / 66	

Consumption / emissions*	
Fuel consumption, urban / extra-urban / combined in liters per 100 kilometers (<i>US mpg</i>)	11.3-11.1 (20.8-21.2) / 6.5-6.3 (36.2-37.3) / 8.3-8.0 (28.3-29.4)
CO ₂ emissions combined in grams per kilometer (<i>g/mi</i>)	189-183 (304.2-294.5)
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 / 29 / 29
Weights / loads	
Unladen weight without driver / with driver / gross weight limit in kg (<i>lb</i>)	1930 (4254.9) / 2005 (4420.3) / 2690 (5930.4)
Front/rear axle load limit in kg (<i>lb</i>)	1350 (2976.2) / 1440 (3174.7)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (<i>lb</i>)	2300 (5070.6) / 2300 (5070.6) // 750 (1653.5)
Roof load limit / permissible nose weight in kg (<i>lb</i>)	90 (198.4) / 95 (209.5)
Capacities	
Cooling system capacity (incl. heating) in liters (<i>US gal</i>)	11 (2.9)
Engine oil capacity, including filter (change volume) in liters (<i>US qt</i>)	7.6 (8.0)
Fuel tank capacity in liters (<i>US gal</i>)	72 (19.0)
Optional fuel tank capacity in liters (<i>US gal</i>)	82 (21.7)
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 (<i>sq ft</i>)	0.26 / 2.43 (26.2)
Standard dimensions (length / width excluding mirrors / height with steel springs / height with air springs) in mm (<i>ft</i>)	5172 (17.0) / 1945 (6.4) / - / 1473 (4.8)
Width including mirrors in mm (<i>ft</i>)	2130 (7.0)
Wheelbase / track width front/rear in mm (<i>ft</i>)	2998 (9.8) / 1644 (5.39) / 1633 (5.36)
Overhang angle of air springs, front/rear in degrees	14.0 / 13.7
Height of loading edge with steel springs / air springs in mm (<i>ft</i>)	- / 697 (2.3)
Luggage capacity behind 2nd seat bench, open / closed in l (<i>cu ft</i>)	n.a. / 505 (17.8)

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

Technical Data		Audi A8 50 TDI quattro tiptronic (210 kW)
Program for Germany	Status: 10/08/2018	
Engine / electronics		
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 / 16.0	
Max. power output in kW (hp) / at rpm	210 (286) / 3500 - 4000	
Max. torque in Nm (<i>lb-ft</i>) / at rpm	600 (442.5) / 2250 - 3250	
Mixture preparation	Common rail fuel injection system	
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	4.714 / 3.143	
Transmission ratio in 3rd/4th gear	2.106 / 1.667	
Transmission ratio in 5th/6th gear	1.285 / 1.000	
Transmission ratio in 7th/8th gear	0.839 / 0.667	
Reverse gear ratio / final drive ratio 1-2	3.317 / 2.503	
Suspension / steering / brakes		
Type and design of front axle suspension	Five-link front axle; tubular anti-roll bar; air spring suspension	
Type and design of rear axle suspension	Five-link rear axle; tubular anti-roll bar; air spring suspension	
Steering	Electromechanical progressive steering with speed-dependent power assistance	
Steering ratio min. / max.	- / 15.8	
Turning circle / turning circle optional in m (<i>ft</i>)	12.5 (41.0) / -	
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)	235/60 R 17 106 W - -	
Wheels (basic)	Cast aluminum 8.0Jx17"	
Performance / consumption / acoustics		
Top speed in km/h (<i>mph</i>)	250 (155.3)	
Governed	yes	
Acceleration, 0-100 km/h (0-62.1 <i>mph</i>)	5.9	
Fuel type / octane value	Diesel / -	
Fuel standard	DIN EN 590	
Exterior noise level when stationary / drive-past as per ECE R51.02 / drive-past as per ECE R51.03 in db (A)	69.2 / 67 / 68	
Fuel consumption / emissions (according to tire size)		
Tire package A		
Tire package A: designation	235/55 R18 104Y, H18 235/60 R17 106W, HF8	
Tire package A fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (<i>US mpg</i>)	6.4 (36.8) / 5.2 (45.2) / 5.6 (42.0)	
Tire package A CO2 emissions urban/extra-urban/combined in grams per kilometer (<i>g/mi</i>)	168 (270.4) / 136 (218.9) / 148 (238.2)	
Tire package B		
Tire package B: designation	255/45 R19, Q55	
Tire package B fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (<i>US mpg</i>)	6.7 (35.1) / 5.4 (43.6) / 5.9 (39.9)	
Tire package B CO2 emissions urban/extra-urban/combined in grams per kilometer (<i>g/mi</i>)	177 (284.9) / 143 (230.1) / 156 (251.1)	
Tire package C		
Tire package C: designation	265/40 R20, Q57	
Tire package C fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (<i>US mpg</i>)	6.7 (35.1) / 5.5 (42.8) / 5.9 (39.9)	
Tire package C CO2 emissions urban/extra-urban/combined in grams per kilometer (<i>g/mi</i>)	177 (284.9) / 143 (230.1) / 156 (251.1)	
Tire package D		
Tire package D: designation	275/35 ZR21 103Y, I57	
Tire package D fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (<i>US mpg</i>)	6.7 (35.1) / 5.5 (42.8) / 5.9 (39.9)	
Tire package D CO2 emissions urban/extra-urban/combined in grams per kilometer (<i>g/mi</i>)	177 (284.9) / 145 (233.4) / 157 (252.7)	

Servicing / guarantee (Germany)	
Service interval (mi)	30,000 km (18,641.1) / 2 years, whichever comes first
Vehicle / paint / rust perforation guarantee	2 / 3 / 12 (years)
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	22 / 29 / 29
Weights / loads	
Unladen weight without driver / with driver / gross weight limit in kg (lb)	1975 (4354.1) / 2050 (4519.5) / 2690 (5930.4)
Front/rear axle load limit in kg (lb)	1335 (2943.2) / 1430 (3152.6)
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)	100 (220.5) / 95 (209.4)
Capacities	
Cooling system capacity (incl. heating) in liters (US gal)	12.9 (3.4)
Engine oil capacity, including filter (change volume) in liters (US qt)	6.1 (6.4)
Fuel tank capacity in liters (US gal)	72 (19.0)
Optional fuel tank capacity in liters (US gal)	82 (21.7)
Adblue fuel tank capacity in liters (US gal)	24 (6.3)
Dimensions / body	
Body type / number of doors	Audi Space Frame (ASF) / 4
Number of seats	5 seats
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 steel springs / height with air springs) in mm (ft)	5172 (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) / 1644 (5.39) / 1633 (5.36)
Overhang angle of air spring front/rear in degrees	14.0 / 13.7
Height of loading edge with steel springs / air springs in mm (ft)	- / 697 (2.3)
Luggage capacity behind 2nd seat bench, open / closed in l (cu ft)	Not available / 505 (17.8)