

Technical Data	Audi SQ8 TFSI
Program for Germany	Status: 07/29/2020
Engine / electrics	
Engine type	V8 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	3996 / 86.0 x 86.0 / 10.1
Max. power output in kW (PS) / rpm	373 (507) / 5500
Max. torque in Nm (lb-ft) / at rpm	770 (567.9) / 2000 - 4000
Mixture preparation	Direct injection, lambda control, knock control, turbocharger, intercooler
Exhaust emission control	Catalytic converter, oxygen sensor, gasoline particulate filter
Emissions standard	EU 6
Start-stop / REM	yes / yes
Battery in A / Ah	520 / 92
Max. electrical output at 12V in kilowatts	2.5
On-board voltage 1 in volts	12
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 / 3.204
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	13.3
Turning circle / turning circle optional in m (ft)	12.3 (40.4) / not available
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)	285/45 R 21 113 Y XL (extra load) -
Wheels (basic)	Cast aluminum flow forming 10.0Jx21"
Performance / acoustics	
Top speed in km/h (mph)	250 (155.3)
Limited	yes
Acceleration, 0-100 km/h (0-62.1 mph)	4.1
Fuel type / octane value	Gasoline / 98
Fuel standard	DIN EN 228 (gasoline)
Exterior noise level when stationary / drive-past as per ECE R51.02 / drive-past as per ECE R51.03 in dB (A)	80.7 / - / 68

Consumption / emissions*	
Fuel consumption, urban / extra-urban / combined in liters per 100 kilometers (<i>US mpg</i>)	16.6 (14.2) / 9.4 (25.0) / 12.1-12.0 (19.4-19.6)
CO ₂ emissions combined in grams per kilometer (<i>g/mi</i>)	276-275 (444.2-442.6)
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	22 / 28 / 30
Weights / loads	
Unladen weight without driver / with driver / gross weight limit in kg (<i>lb</i>)	2270 (6106.8) / 2345 (5169.8) / 2960 (6525.7)
Front/rear axle load limit in kg (<i>lb</i>)	1550 (3417.2) / 1580 (3483.3)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (<i>lb</i>)	3500 (7716.2) / 3500 (7716.2) // 750 (1653.5)
Roof load limit / permissible nose weight in kg (<i>lb</i>)	100 (220.5) / 140 (308.6)
Capacities	
Cooling system capacity (incl. heating) in liters (<i>US gal</i>)	14.9 (3.9)
Engine oil capacity, including filter (change volume) in liters (<i>US qt</i>)	9.5 (10.0)
Fuel tank capacity in liters (<i>US gal</i>)	85 (22.5)
Dimensions / body	
Body type / number of doors	Unitary steel/aluminum composite construction / -
Number of seats	5
Drag coefficient Cd / frontal area A in m ² (<i>sq ft</i>)	0.34 / 2.84 (30.6)
Standard dimensions (length / width excluding mirrors / height with steel springs / height with air springs) in mm (<i>ft</i>)	5006 (16.4) / 1995 (6.5) / - / 1708 (5.6)
Width including mirrors in mm (<i>ft</i>)	2190 (7.2)
Wheelbase / track width front/rear in mm (<i>ft</i>)	2996 (9.8) / 1679 (5.51) / 1687 (5.53)
Overhang angle of air springs, front/rear in degrees	21.9 / 23.5
Height of loading edge with steel springs / air springs in mm (<i>ft</i>)	- / 822 (2.7)
Luggage capacity behind 2nd seat bench, open / closed in l (<i>cu ft</i>)	605 (21.4) / -
Largest luggage compartment capacity - behind the 1st seat row in l (<i>cu ft</i>)	1755 (62.0)

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