

Audi SQ7



TFSI 5 seats

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) / at rpm	373 (507) / 5500
Max. torque in Nm (<i>lb-ft</i>) / 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
Emission standard	Euro 6d-ISC-FCM
Max. electrical output at 12V in kW	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 rear axle differential	Standard
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 / 3.204 / 1.000

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
Tires (basic)	285/45 R 20
Wheels (basic)	Cast aluminum flow forming 9 J x 20
Steering	Electromechanical progressive steering with speed-dependent power assistance
Steering ratio	13.3
Turning circle in m (<i>ft</i>)	12.5 (41.0)
Brake system	Dual-circuit brake system with black/white split for front/rear axles; Front: aluminum fixed calipers; Rear: floating calipers with integrated electronic parking brake
Brake disk diameter front / rear in mm (<i>in</i>)	400 / 350 (15.7 / 13.8)

Performance / fuel / acoustics

Top speed in km/h (<i>mph</i>)	250 (155.3)
Acceleration, 0-100 km/h (0-62.1 <i>mph</i>)	4.1
Fuel type / octane value / fuel standard	Gasoline / 98 / DIN EN 228

Consumption / emission*

Efficiency class	F
Fuel consumption, urban / extra-urban / combined according to NEDC in l/100 km (US mpg)	16.5 - 16.4 (14.3 - 14.3) / 9.6 - 9.5 (24.5 - 24.8) / 12.1 - 12.0 (19.4 - 19.6)
CO ₂ emissions, combined according to NEDC in g/km (g/mi)	277 - 276 (445.8 - 444.2)

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	19 / 29 / 30

Weights / loads

Unladen weight without driver / with driver / gross weight limit in kg (lb)	2200 (4850.2) / 2275 (5015.5) / 2925 (6448.5)
Front / rear axle load limit in kg (lb)	1530 (3373.1) / 1590 (3505.3)
Trailer load limit on 8% / 12% gradient, braked // unbraked in kg (lb)	3500 (7716.2) / 3500 (7716.2) // 750 (1653.5)
Roof load limit / permissible nose weight in kg (lb)	100 (220.5) / 140 (308.6)

Capacities

Cooling system capacity (incl. heating) in l (US gal)	14.9 (3.9)
Engine oil capacity, including filter (change volume) in l (US qt)	9.5 (10.0)
Fuel tank capacity / optional in l (US gal)	85 (22.5) / -

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)	0.33 / 2.87 (30.9)
Standard dimensions (length / width excluding mirrors / height with steel springs / air springs) in mm (ft)	5066 (16.6) / 1970 (6.5) / 1703 (5.6) / -
Vehicle width, including mirrors, in mm (in)	2212 (7.3)
Wheelbase // track width front/rear in mm (ft)	3002 (9.8) // 1672 (5.5) / 1676 (5.5)
Height of loading edge in mm (ft)	750 (2.5)
Open luggage compartment - behind the 2 nd seat row in l (cu ft)	671 (2.2)
Largest luggage capacity - behind the 1 st seat row in l (cu ft)	1990 (70.3)

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