Audi SQ7

TFSI 7 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 *(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
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 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 / 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 *(ft)*	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 *(in)*	400 / 350 *(15.7 / 13.8)*

Performance / fuel / acoustics

Top speed in km/h *(mph)*	250 *(155.3)*
Acceleration, 0-100 km/h *(0-62.1 mph)*	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 (19.4)
CO_2 emissions, combined according to NEDC in g/km (g/mi)	278 - 276 (447.4 - 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)	2265 (4993.5) / 2340 (5158.8) / 3095 (6823.3)
Front / rear axle load limit in kg (lb)	1530 (3373.1) / 1720 (3792.0)
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 / 7
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 2nd seat row in l (cu ft)	617 (2.0)
Largest luggage capacity - behind the 1st seat row in l (cu ft)	1890 (66.7)

*Fuel consumption and CO_2 emission figures given in ranges depend on the tires/wheels used