

Technical Data – Audi SQ7 4.0 TDI quattro tiptronic (320 kW) (with seven seats)

Program for Australia

Status: December 2016

Engine / electronics	
Engine type	V8 engine with 90° V angle with conventional biturbo sequential charging and electric powered compressor (EPC)
Valve gear / number of valves per cylinder	Double overhead camshafts (DOHC) / 4
Displacement in cc / bore x stroke in mm / compression	3956 / 83.0 x 91.4 / 16.0
Max. power output in kW / at rpm	320 / 3750 – 5000
Max. torque in Nm / at rpm	900 / 1000 – 3250
Mixture preparation	Common rail injection system 2500 bar with piezo injectors
Exhaust emission control	Close-coupled oxidizing catalytic converter and maintenance-free diesel particulate filter with SCR coating
Emissions class	EU6
Alternator in A / battery in A/Ah	160 - 250 / 92/520
Start-stop system	Switches the engine off if the vehicle is stationary and the brake is engaged.
Drivetrain / transmission	
Drive type	quattro permanent all-wheel drive with asymmetric-dynamic drive-torque split and self-locking center differential
Clutch	Hydraulic torque converter with lock-up clutch
Transmission type	8-speed automatic transmission with tiptronic function
Gear ratio in 1st gear / 2nd gear	4.714 / 3.143
Gear ratio in 3rd gear / 4th gear	2.106 / 1.667
Gear ratio in 5th gear / 6th gear	1.285 / 1.000
Gear ratio in 7th gear / 8th gear	0.839 / 0.667
Reverse gear / final drive ratio	3.317 / 2.848
Suspension / steering / brakes	
Front suspension	Independent-wheel suspension, five-link axle with front track rod, aluminum transverse link, subframe and anti-roll bar
Rear suspension	Independent-wheel suspension, five-link axle with rear track rod, subframe and anti-roll bar
Steering / steering ratio / turning circle in m (D102)	Electromechanical steering with speed-dependent power assistance / 15.8 / 12.4
Brake system	Dual-circuit brake system split between axles (black/white brake circuit split), Antilock Brake System (ABS) with Electronic Brake Force distribution (EBD), Electronic Differential Lock (EDL), Anti-Slip Regulation (ASR), Electronic Stabilization Control (ESC)
Wheels / tyres	9.0Jx20" wheels (standard) / 285/45 R20 XL tyres (standard)
Performance / fuel / acoustics	
Top speed in km/h	250
Acceleration, 0-100 km/h in s	4.9
Fuel / octane value	Diesel EN 590 /
Idling / drive-past exterior noise level in dB (A)	93 / 76
Consumption / emissions (according to tyre size)	
Tyre category	285/45 R20 112Y low rolling resistance H7A
Fuel consumption: city / highway / combined, in l/100 km	8.4 / 6.5 / 7.2
CO ₂ mass emission city / highway / combined, in g/km	221 / 172 / 190
Servicing / guarantee	
Service inspection after max. km (mi)	According to service indicator up to 15,000 km (max. 1 year)
Vehicle / paint / rust perforation guarantee	3 years with unlimited mileage / 3 years / 12 years
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg	2330 / 2405 / 3200
Axle load limit at front / rear in kg	1580 / 1750
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg	3500 / 3500 / 750
Roof load limit / permissible nose weight in kg	100 / 140
Capacities	
Cooling system capacity (incl. heating) in l	16.1 (equipped with 4-zone air conditioning without seat heating) with seat heating + 0.5 (0.1)
Engine oil capacity (including filter) in l	10.6 (11.2)
Fuel tank capacity in l	85
Body / dimensions	
Body type / number of doors / seats	Lightweight multimaterial body with aluminum components / 4 / 7
Drag coefficient Cd / frontal area A in m ²	Air springs standard ride height 0.337 / 2.86 Air springs lowered ride height 0.331 / 2.86
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm	5069 / 1968 / 1741 (air springs)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm	2996 (air springs) / 1679 (air springs) / 1679 (air springs)
Height of loading lip (H196) in mm	788 (air suspension)
Luggage capacity / with rear seat bench folded in l	705 (3rd seat row folded) / 235 (3rd seat row upright) / 1890 (3rd seat row and 2nd seat row folded)