

Technical Data – Audi S7 4.0 TFSI COD quattro S tronic (331 kW)

Program for Australia

Status: March 2015

Engine / electronics	
Engine type	V8 spark-ignition engine with aluminum engine block and gasoline direct injection, DOHC, exhaust turbocharger, two charge movement flaps, demand-controlled high-pressure and low-pressure fuel system, cylinder on demand, indirect intercooler
Valve gear / number of valves per cylinder	Continuous camshaft adjustment / 4
Displacement in cc / bore x stroke in mm / compression	3993 / 84.5 x 89 / 10.1
Max. power output in kW / at rpm	331 / 5800 - 6400
Max. torque in Nm / at rpm	550 / 1400 - 5700
Mixture preparation	Fully electronic engine management with drive-by-wire throttle control; gasoline direct injection, cylinder-selective lambda control, mapped ignition with solid-state high-voltage distribution, cylinder-selective adaptive knock control; manifold-pressure controlled system
Exhaust emission control	Two close-coupled ceramic main catalytic converters each with a pre- and post-catalyst oxygen sensor, secondary air system, oxygen sensors
Emissions class	EU 6
Alternator in A / battery in A/Ah	140 - 210 (water-cooled) / 520/92
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 self-locking center differential
Clutch	Two electrohydraulically controlled multi-plate clutches in an oil bath
Transmission type	7-speed S tronic direct-shift transmission with electrohydraulic control
Gear ratio in 1st gear / 2nd gear	3.692 / 2.150
Gear ratio in 3rd gear / 4th gear	1.406 / 1.025
Gear ratio in 5th gear / 6th gear	0.787 / 0.625
Gear ratio in 7th gear / 8th gear	0.519 / -
Reverse gear / final drive ratio	2.944 / 4.093
Suspension / steering / brakes	
Front suspension	Five-link front suspension, double upper and lower wishbones, anti-roll bar, air suspension
Rear suspension	Self-tracking trapezoidal-link axle with wishbone, anti-roll bar, air suspension
Steering / steering ratio / turning circle in meters (D102) (ft)	Electromechanical steering with speed-dependent power assistance / 15.87 / 11.9 (39.0)
Brake system	Dual-circuit brake system with diagonal split, electronic stabilization control (ESC), brake servo, hydraulic brake assist; front: ventilated disks, fixed calipers; rear: ventilated disks, cast floating calipers with electromechanical parking brake
Wheels / Tyres	20 inch alloy wheels with 265/35 R20 tyres
Performance / consumption / acoustics	
Top speed in km/h	As per ADR (81/02) 250 (governed)
Acceleration, 0-100 km/h in sec	4.6
Fuel / octane value	Premium sulfur-free according to DIN EN 228 / 95/98 RON
Fuel consumption: city / highway / combined in l/100 km	13.2 / 7.0 / 9.3
CO ₂ emissions in g/km	306 / 163 / 215
Idling / drive-past exterior noise level in dB	73 / 90
Servicing / warranty (Australia)	
Service intervals	Every 15,000km or 12 months
Vehicle / paint / rust perforation guarantee	3 years with unlimited kilometres / 3 years / 12 years
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg	1955 / 2030 / 2565
Axle load limit at front / rear in kg	1320 / 1365
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg	2100 / 2100 / 750
Roof load limit / permissible nose weight in kg	100 / 85
Capacities	
Cooling system capacity (incl. heating) in l	12 (3.2)
Engine oil capacity (including filter) in l	8.3 (8.8)
Fuel tank capacity in l	75 (19.8)
Body / dimensions	
Body type / number of doors / seats	Unitary, vehicle-safety optimized body in steel/aluminum composite construction / 4 aluminum doors with side impact protection / 4
Drag coefficient Cd / frontal area A in m ²	0.30 / 2.29 (24.6)
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm	4981 / 1911 / 1398
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm	2917 / 1642 / 1634
Height of loading lip (H196) in mm	667 (unladen)
Luggage capacity / with rear seat bench folded; in l	535 (V211-2) / 1390 (V214-1, headlining high to 1st seat row)