

Technical Data – Audi S6 4.0 TFSI quattro S tronic (331 kW)

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 m (D102)	Electromechanical steering with speed-dependent power assistance / 16.1 / 11.9
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, fixed calipers with electromechanical parking brake
Wheels / Tyres	20 inch alloy wheels with 255/35 R20 tyres
Performance / consumption / acoustics	
Top speed in km/h	250 (governed)
Acceleration, 0-100 km/h in sec	4.4
Fuel / octane value	Premium sulfur-free according to DIN EN 228 / 95/98 RON
Idling / drive-past exterior noise level in dB	90 / 73
Consumption / emissions (according to tire size)	
Tire category 2: 20-inch and 21-inch	
Fuel consumption: city / highway / combined, in l/100 km	13.3 / 7.1 / 9.4
CO ₂ mass emission city / highway / combined, in g/km	309 / 166 / 218
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	1895 / 1970 / 2505
Axle load limit at front / rear in kg	1320 / 1320
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
Engine oil capacity (including filter) in l	8.3
Fuel tank capacity in l	75
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 / 5
Drag coefficient Cd / frontal area A in m ²	0.29 / 2.33
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm	4931 / 1874 / 1440 (1453 vehicle height with roof-mounted aerial)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm	2912 / 1627 / 1618
Height of loading lip (H196) in mm	674 (unladen)
Luggage compartment volume / with rear seat bench folded in l	530 / 995