

Technical Data – Audi S8 plus 4.0 TFSI quattro tiptronic (445 kW)

Program for Australia

Status: April 2016

Engine / electronics	
Engine type	V8 spark-ignition engine with aluminum engine block and gasoline direct injection, double overhead camshafts (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	Chain drive, continuous intake and exhaust camshaft adjustment, roller cam followers with hydraulic valve play compensation, 4
Displacement in cc / bore x stroke in mm / compression	3993 / 84.5 x 89 / 9.3
Max. power output in kW / at rpm	445 / 6100 - 6800
Max. torque in Nm / at rpm	700 / 1750 - 6000 750 / 2500 - 5500
Mixture preparation	FSI direct injection with 120 bar system pressure, multi-hole injection valves, charge movement flaps in intake port
Exhaust emission control	2 close-coupled ceramic catalytic converters, each with 2 oxygen sensors
Emissions class	EU 6 / ULEV2
Alternator in A / battery in A/Ah	190 (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, ESC
Clutch	Hydraulic torque converter with lock-up clutch
Transmission type	8-speed tiptronic with DSP and sport program
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 / 3.204
Suspension / steering / brakes	
Front suspension	Five-link front suspension, upper and lower wishbones, tubular anti-roll bar, air suspension
Rear suspension	Trapezoidal-link suspension with wishbones, tubular anti-roll bar, air suspension
Steering / steering ratio / turning circle in metres (D102)	Electromechanical steering with speed-dependent power assistance / 15.1 / 12.3
Brake system	Dual-circuit brake system with diagonal split with ESP/ABS/EBD, brake booster; hydraulic brake assist; front and rear disk brakes: ventilated; electromechanical parking brake
Wheels / tyres	Aluminium alloy wheel, size 9.0Jx21 / 265/35 R21 101 Y XL tyres
Performance / consumption / acoustics	
Top speed in km/h	250 / (305 optional)
Acceleration, 0-100 km/h in sec	3.8
Fuel / octane value	Super Plus sulphur-free according to DIN EN 228 / 98 RON / 95
Fuel consumption: city / highway / combined in l/100 km	13.9 / 8.1 / 10.2
CO ₂ mass emission in g/km	321 / 188 / 237
Idling / drive-past exterior noise level in dB (A)	81 / 71
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	1990 / 2065 / 2590
Axle load limit at front / rear in kg	1370 / 1355
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg	2300 / 2300 / 750
Roof load limit / permissible nose weight in kg	100 / 95
Capacities	
Cooling system capacity (incl. heating) in litres	14.8
Engine oil capacity (including filter) in litres	8.7
Fuel tank capacity in litres	82
Body / dimensions	
Body type / number of doors / seats	Aluminum: Audi Space Frame ASF / 4 / 5
Drag coefficient Cd / frontal area A in m ²	0.28 / 2.41
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm	5147 / 1949 / 1458
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm	2994 / 1632 / 1623
Height of loading lip (H196) in mm	687
Boot capacity in litres	520 / -