

Technical Data – Audi A6 1.8 TFSI ultra S tronic (140 kW)

Program for Australia

Status: March 2015

Engine / electronics	
Engine type	Inline four-cylinder spark-ignition engine with gasoline direct injection, exhaust turbocharger and Audi valvelift system
Valve gear / number of valves per cylinder	Roller cam followers; continuous intake and exhaust camshaft adjustment; exhaust valve stroke adjustment AVS / 4
Displacement in cc / bore x stroke in mm / compression	1798 / 82.5 x 84.1 / 9.6
Max. power output in kW / at rpm	140 / 4200 - 6200
Max. torque in Nm / at rpm	320 / 1400 - 4100
Mixture preparation	Sequential high-pressure direct and multipoint manifold injection with adaptive idle-charge control, overrun fuel cut-off, adaptive lambda control; mapped ignition with solid-state high-voltage distribution via single-spark coils, cylinder-selective adaptive knock control; manifold pressure measurement, active boost-pressure control via an electric wastegate actuator
Exhaust emission control	Close-coupled ceramic catalytic converter, oxygen sensor in front of turbocharger and behind catalytic converter
Emissions class	EU 6
Alternator in A / battery in A/Ah	100 - 150 (air-cooled) / 380/68
Start-stop system	Switches the engine off if the vehicle is stationary and the brake is engaged.
Drivetrain / transmission	
Drive type	Front-wheel drive
Clutch	Hydraulically operated wet dual clutch axially arranged, dual-mass flywheel with centrifugal pendulum
Transmission type	7-speed dual-clutch transmission
Gear ratio in 1st gear / 2nd gear	3.188 / 2.190
Gear ratio in 3rd gear / 4th gear	1.517 / 1.057
Gear ratio in 5th gear / 6th gear	0.738 / 0.557
Gear ratio in 7th gear / 8th gear	0.433 / -
Reverse gear / final drive ratio	2.750 / 4.410
Suspension / steering / brakes	
Front suspension	Five-link front suspension, double upper and lower wishbones, anti-roll bar, steel springs
Rear suspension	Self-tracking trapezoidal-link axle with wishbone, anti-roll bar, steel springs
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, aluminum composite floating calipers; rear: solid disks, cast floating calipers with electromechanical parking brake
Wheels / Tyres	18 inch alloy wheels with 245/45 R18 tyres
Performance / consumption / acoustics	
Top speed in km/h	233
Acceleration, 0-100 km/h in sec	7.9
Fuel / octane value	Premium sulfur-free according to EN 228 / E25 95 RON / 95 RON
Idling / drive-past exterior noise level in dB	73 / 70
Consumption / emissions (according to tire size)	
	As per ADR (81/02)
Tire category 1: 16-inch to 18-inch	
Fuel consumption: city / highway / combined, in l/100 km	7.1 / 5.0 / 5.7
CO ₂ mass emission city / highway / combined, in g/km	164 / 115 / 133
Tire category 2: 19-inch	
Fuel consumption: city / highway / combined, in l/100 km	7.1 / 5.0 / 5.8
CO ₂ mass emission city / highway / combined, in g/km	164 / 116 / 134
Tire category 3: 20-inch and 21-inch	
Fuel consumption: city / highway / combined, in l/100 km	7.2 / 5.2 / 5.9
CO ₂ mass emission city / highway / combined, in g/km	168 / 120 / 138
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	1570 / 1645 / 2150
Axle load limit at front / rear in kg	1130 / 1140
Trailer load limit on 8% / 12% gradient, braked / unbraked, in kg	1800 / 1600 / 750
Roof load limit / permissible nose weight in kg	100 / 85
Capacities	
Cooling system capacity (incl. heating) in l	8.5
Engine oil capacity (including filter) in l	4.7
Fuel tank capacity in l	65
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	0.26 / 2.33
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm	4933 / 1874 / 1455 (with roof-mounted aerial the vehicle height increases by 13 mm)
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