

Technical Data – Audi A5 2.0 TDI ultra (140 kW)

Program for Germany

Status: May 2016

Engine / electronics	
Engine type	Inline four-cylinder diesel engine with VTG turbocharger, DOHC, TDI direct injection
Valve gear / number of valves per cylinder	Cam followers with hydraulic valve-play compensation / 4
Displacement in cc / bore x stroke in mm / compression	1968 / 81.0 x 95.5 / 15.5
Max. power output in kW (hp) / at rpm	140 (190) / 3800 - 4200
Max. torque in Nm (lb-ft) / at rpm	400 (295.0) / 1750 - 3000
Mixture preparation	Common rail injection system, 2000 bar with solenoid injectors, direct injection, eight-hole nozzles, VTG turbocharger with indirect intercooler; swirl and tangential intake ports; volume, injection start, charge pressure, low-pressure and high-pressure EGR control
Exhaust emission control	Oxidizing catalytic converter, SCR catalytic converter, water-cooled exhaust gas recirculation, coated maintenance-free diesel particulate filter
Emissions class	EU 6
Alternator in A / battery in A/Ah	110-150 / 420/79
Start-stop system	Switches the engine off if the vehicle is stationary and no gear is engaged
Drivetrain / transmission	
Drive type	Front-wheel drive
Clutch	Hydraulically operated single-plate dry clutch; dual-mass flywheel
Transmission type	6-speed manual transmission, synchromesh on all gears
Gear ratio in 1st gear / 2nd gear	3.778 / 1.952
Gear ratio in 3rd gear / 4th gear	1.241 / 0.912
Gear ratio in 5th gear / 6th gear	0.692 / 0.571
Reverse gear / final drive ratio	3.333 / 3.289
Suspension / steering / brakes	
Front suspension	Independent-wheel suspension, five-link axle with front track rod, aluminum transverse link, subframe and tubular anti-roll bar
Rear suspension	Independent-wheel suspension, five-link axle with rear track rod, resiliently mounted subframe and anti-roll bar
Steering / steering ratio / turning circle in m (D102) (ft)	Electromechanical steering with speed-dependent power assistance / 15.9 / 11.5 (37.7)
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), traction control (ASR), Electronic Stabilization Control (ESC), front: ventilated disks / rear: disks
Wheels / tires (basic)	7.5 J x 17 cast aluminum aero wheels, 225/50 R17 optimized rolling resistance tires
Performance / fuel / acoustics	
Top speed in km/h (mph)	210 (130.5)
Acceleration, 0-100 km/h (0-62.1 mph) in s	7.7
Fuel / octane value	Diesel according to EN 590 / -
Idling / drive-past exterior noise level in dB (A)	72 / 69
Fuel consumption / emissions (according to tire size)	
Tire category 1	225/50 R17 94H, H3U
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	5.0 (47.0) / 3.7 (63.6) / 4.1 (57.4)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	129 (207.6) / 95 (152.9) / 106 (170.6)
Tire category 2	225/50 R17 94Y, H0B; 225/50 R17 98V AS, HZ2
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	5.0 (47.0) / 3.7 (63.6) / 4.1 (57.4)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	131 (210.8) / 96 (154.5) / 108 (173.8)
Tire category 3	245/40 R18 93Y, H7U
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	5.1 (46.1) / 3.8 (61.9) / 4.2 (56.0)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	134 (215.7) / 99 (159.3) / 111 (178.6)
Servicing / guarantee (Germany)	
Service inspection after max. km (mi)	According to service indicator up to 30,000 km (18,641.1) (max. 2 years)
Vehicle / paint / rust perforation guarantee	2 years with unlimited mileage / 3 years / 12 years
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (lb)	1460 (3218.7) / 1535 (3384.1) / 1985 (4376.2)
Axle load limit at front / rear in kg (lb)	1080 (2381.0) / 1020 (2248.7)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (lb)	1900 (4188.8) / 1700 (3747.9) / 750 (1653.5)
Roof load limit / permissible nose weight in kg (lb)	75 (165.3) / 80 (176.4)
Capacities	
Cooling system capacity (incl. heating) in l (US gal)	10.9 (2.9)
Engine oil capacity (including filter) in l (US qt)	4.7 (5.0)
Fuel tank capacity in l (US gal)	Fuel tank: 40 (10.6) AdBlue tank: 12 (3.2)
Body / dimensions	
Body type / number of doors / seats	Unitary, galvanized, steel / 2 / 4
Drag coefficient Cd / frontal area A in m ² (sq ft)	0.25 / 2.14 (23.0)
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (ft)	4673 (15.3) / 1846 (6.1) / 1371 (4.5)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm (ft)	2764 (9.1) / 1587 (5.2) / 1568 (5.1)
Height of loading lip (H196) in mm (ft)	669 (2.2)
Luggage capacity / with rear seat bench folded in l (cu ft)	465 (16.4) / -