

Technical Data – Audi A4 1.8 TFSI (118 kW)

Program for Germany – Status: March 2008

Model	Audi A4 1.8 TFSI (118 kW)	
Engine / electronics		
Engine type	Inline four-cylinder spark-ignition engine with exhaust turbocharger and intercooler, DOHC	
Valve gear / number of valves per cylinder	Intake camshaft adjustment, roller cam followers / 4	
Displacement in cc / bore x stroke in mm / compression	1,798 / 82.5 x 84.1 / 9.6	
Max. power output in kW (<i>hp</i>) / at rpm	118 (160) / 4,500 – 6,200	
Max. torque in Nm (<i>lb-ft</i>) / at rpm	250 (184.39) / 1,500 – 4,500	
Engine management / mixture preparation	Fully electronic engine management with drive-by-wire throttle control, sequential high-pressure 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; air-mass measurement, integrated boost-pressure control	
Exhaust emission control	Close-coupled ceramic catalytic converter, oxygen sensor before and after catalytic converter	
Emissions class	EU 4	
Alternator in A / battery in A/Ah	120 / 220 / 44	
Drivetrain / transmission		
Drive type	Front-wheel drive with electronic stabilization program ESP	
Clutch	Hydraulically operated single-plate dry clutch with asbestos and lead-free linings	Electronically controlled multi-plate clutch, oil-cooled
Gearbox type	6-speed manual, synchromesh on all gears	Continuously variable multitronic transmission with DRP, sport program
Gear ratio in 1st gear / 2nd gear	3.400 / 1.905	2.492 / 1.574
Gear ratio in 3rd gear / 4th gear	1.276 / 0.941	1.147 / 0.892
Gear ratio in 5th gear / 6th gear	0.737 / 0.625	0.715 / 0.579
Gear ratio in 7th gear / 8th gear	- / -	0.465 / 0.370
Reverse gear / final drive ratio	3.100 / 4.142	3.015 / 5.970
Suspension / steering / brakes		
Front suspension	Five-link front suspension, upper and lower wishbones, tubular anti-roll bar	
Rear suspension	Independent-wheel, trapezoidal-link rear suspension with resiliently mounted subframe, anti-roll bar	
Steering / steering ratio / turning circle in meters (D102) (<i>feet</i>)	Maintenance-free rack-and-pinion steering with power assistance / 16.3 / 11.4 (37.40)	
Brake system, front/rear	Dual-circuit brake system with diagonal split, ABS / EBD and ESP with brake assist; tandem brake booster; front: ventilated disks / rear: disks	
Wheels / tires	7.5 J x 16 lightweight forged aluminum wheels with 225/55 R16 tires	
Performance / consumption / acoustics		
Top speed in km/h (<i>mph</i>)	225 (139.81)	218 (135.46)
Acceleration, 0-100 km/h (0-62.14 <i>mph</i>) in sec	8.6	8.6
Fuel type	premium unleaded, 95 RON	
Fuel consumption: city / highway / combined (l/100 km) (<i>mpg</i>)	9.9 / 5.5 / 7.1 (23.76 / 42.77 / 33.13)	10.3 / 5.7 / 7.4 (22.84 / 41.27 / 31.79)
CO2 emissions: city / highway / combined (g/km)	236 / 131 / 169	241 / 136 / 179
Idling / drive-past exterior noise level in dB (A)	77 / 73	77 / 74
Servicing / guarantee (Germany)		
LongLife Service	Per service indicator, depending on operating conditions (max. 2 years) ¹⁾	
Vehicle / paint / rust perforation guarantee	2 years with unlimited mileage / 3 years / 12 years	
Insurance classification in Germany	16 / 18 / 20	
Weights / loads		
Unladen weight in kg / gross weight limit in kg (<i>pounds</i>)	1,410 / 1,960 (3,108.52 / 4,321.06)	1,450 / 2,000 (3,196.70 / 4,409.25)
Axle load limit at front / rear in kg (<i>pounds</i>)	1,035 / 1,050 (2,281.78 / 2,314.85)	1,060 / 1,060 (2,336.90)
Trailer load limit, unbraked in kg (<i>pounds</i>)	740 (1,631.42)	750 (1,653.47)
Trailer load limit on 8% / 12% gradient, braked in kg (<i>pounds</i>)	1,500 / 1,300 (3,306.93 / 2,866.01)	1,500 / 1,300 (3,306.93 / 2,866.01)
Roof load limit in kg / permissible nose weight in kg (<i>pounds</i>)	90 / 80 (198.42 / 176.37)	
Capacities		
Cooling system capacity (including heating) in liters (<i>gallons</i>)	7.0 (1.85)	
Engine oil capacity (including filter) in liters (<i>quarts</i>)	4.6 (4.86)	
Fuel tank capacity in liters (<i>gallons</i>)	65 (17.17)	
Body / dimensions ²⁾		
Body type	Galvanized, unitary steel body, crumple zones at front and rear	
Number of doors / seats	4 doors with additional side protection / 5	
Drag coefficient Cd / frontal area A in m ² (<i>square feet</i>)	0.27 / 2.20 (2.91 / 23.68)	
Length (L103) / width excluding mirrors (W103) / height (H100-M) in mm (<i>feet</i>)	4,703 / 1,826 / 1,427 (15.43 / 5.99 / 4.68)	
Wheelbase L101 / track at front/rear W101-1/W102-2 in mm (<i>feet</i>)	2,808 / 1,564 / 1,551 (9.21 / 5.13 / 5.09)	
Height of loading lip in mm (H196) (<i>feet</i>)	673 (2.21)	
Luggage capacity in liters (<i>cubic feet</i>), according to VDA block method V210/V212	480 (16.95) (with rear seat folded down: 962 (33.97))	

1) depends on driving style and operating conditions

2) details of dimensions with unladen vehicle weight