

Technical Data – Audi S4

Programme for Germany – **Status: September 2004**

Model	Audi S4	
Engine / electronics		
Type of engine	V8 spark-ignition engine, two-stage variable intake manifold, DOHC	
Valve gear / number of valves per cylinder	Intake camshaft adjustment, roller cam followers with hydraulic adjustment / 5	
Displacement in cc / bore x stroke in mm / compression	4163 / 84.5 x 92.8 / 11.0	
Max. power output in kW (bhp) / at rpm	253 (344) / 7000	
Max. torque in Nm / at rpm	410 / 3500	
Engine management / mixture preparation	Motronic: fully electronic sequential injection, hot-film air mass measurement, drive-by-wire throttle control, mapped ignition with solid-state high-voltage distribution, cylinder-selective adaptive knock control using four sensors	
Exhaust emission control	Two close-coupled primary and two underfloor main catalytic converters; adaptive lambda control with two heated oxygen sensors before and two after the converter	
Emission category	EU4	
Alternator in A / battery in A/h	190 / 450/95	
Drive / transmission		
Type of drive	Permanent four-wheel drive with Torsen centre differential, ESP	
Clutch	Single-plate dry clutch; dual-mass flywheel	Hydraulic torque converter with lock-up clutch
Gearbox type	6-speed manual gearbox	6-speed tiptronic with DSP
Gear ratio in 1st gear / 2nd gear	3.667 / 2.050	4.171 / 2.340
Gear ratio in 3rd gear / 4th gear	1.462 / 1.133	1.521 / 1.143
Gear ratio in 5th gear / 6th gear	0.919 / 0.778	0.867 / 0.691
Reverse gear / final drive ratio (automatic: constant ratio)	3.333 / 3.889	3.403 / 3.539
Running gear / steering / brakes		
Front suspension	Four-link front suspension, upper and lower wishbones, tubular anti-roll bar	
Rear suspension	Independent-wheel, trapezoidal-link rear suspension, anti-roll bar	
Steering / steering ratio / turning circle in m (D102)	Maintenance-free rack-and-pinion steering with power assistance / 14.5 / 11.5	
Brake system	Dual-circuit brake system with diagonal split, ABS/EBD and ESP, tandem brake booster, front and rear: ventilated discs	
Wheels / tyres	8 J x 18 cast aluminium wheels; 235/40 R 18 Y tyres	
Performance / consumption / acoustics		
Maximum speed in km/h	250 (governed)	250 (governed)
Acceleration 0-100 km/h in sec	5.6	5.8
Fuel grade	Super unleaded, 98 RON	
Fuel consumption: urban/extra urban/overall, l/100 km	19.5 / 9.8 / 13.3	17.9 / 9.1 / 12.3
CO ₂ mass emission, g/100 km	321	295
Standing / drive-past exterior noise level in dB (A)	87 / 74	87 / 73
Servicing / warranty (Germany)		
Long-life service	Acc. to service indicator, depending on operating conditions (maximum 2 years) ¹⁾	
Vehicle / paint / rust penetration warranty	2 years with unlimited mileage / 3 years / 12 years	
Insurance classification in Germany	30 / 30 / 21	
Weights / loads		
Unladen weight (excl. driver) / gross weight limit in kg	1660 / 2210	1705 / 2255
Axle load limit at front / rear in kg	1230 / 1100	1250 / 1100
Trailer load limit unbraked in kg	not applicable	
Trailer load limit on 8% / 12% gradient, braked in kg	not applicable	
Roof load limit in kg / permissible nose weight in kg	75 / --	
Capacities		
Cooling system capacity (incl. heating) in l	12.2	
Engine oil capacity (incl. filter) in l	10.7	
Fuel tank capacity in l	63	
Body / dimensions		
Body type	galvanised, unitary steel body; crumple zones in front and rear	
Number of doors / seats	4 doors with additional side protection / five seats	
Drag coefficient c _D / frontal area A in m ²	0.30 / 2.15	
Length (L103)/width excl. mirrors (W103)/height (H100), mm	4586 / 1772 / 1427	
Wheelbase (L101) / track at front/rear (W101/W102), mm	2648 / 1522 / 1522	
Height of loading lip in mm (H195)	674	
Luggage capacity in l, acc. to VDA block method (V210)	460 (with rear seat folded down: 720)	

¹⁾ depending on driving style and operating conditions