

# Technical Data – Audi S4

Data provided by Audi AG

| Model  | Audi S4  |  |
|--|--|--|
| <b>Engine / electrics</b>                                    |  |  |
| 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 hp / at rpm                             | 344 / 7000   |  |
| Max. torque in lb-ft / at rpm                                | 302 / 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  |  |
| Alternator in A / battery in A/Ah                            | 190 / 450/95   |  |
| <b>Drive / transmission</b>                                  |  |  |
| Type of drive  | Permanent four-wheel drive with Torsen centr 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  | 4.100 / 3.539                                  |
| <b>Running gear / steering / brakes</b>                      |  |  |
| 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 ft             | Maintenance-free rack-and-pinion steering with power assistance / 47.5   |  |
| Brake system   | Dual-circuit brake system with diagonal split, ABS/EBD and ESP, tandem brake booster, frontand rear: ventilated discs  |  |
| Wheels / tires   | 8 J x 18 cast aluminium wheels; 235/40 R 18 Y tires  |  |
| <b>Weights / loads</b>                                       |  |  |
| Unladen weight (excl. driver) / gross weight limit in lbs    | 3659 / 4872  | 3758 / 4971                                    |
| Axle load limit at front / rear in kg                        | 2711 / 2425  | 2711 / 2425                                    |
| Trailer load limit unbraked in kg                            | not applicable   |  |
| Trailer load limit on 8% / 12% gradient, braked in kg        | not applicable   |  |
| Roof load limit in lb / permissible nose weight in lb        | 165 / --   |  |
| <b>Capacities</b>  |  |  |
| Cooling system capacity (incl. heating) in qt                | 12.89  |  |
| Engine oil capacity (incl. filter) in qt                     | 11.3   |  |
| Fuel tank capacity in gal                                    | 17.4   |  |
| <b>Body / dimensions</b>                                     |  |  |
| Body type  | Fully 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 <sup>2</sup>    | 0.30 / 2.15  |  |
| Length / width excl. mirrors / height, in                    | 180.1 / 70.11 / 55.7   |  |
| Wheelbase / track at front/rear, in                          | 104.37 / 59.65 / 59.52   |  |
| Height of loading lip in in                                  | 26.53  |  |
| Luggage capacity in cu-ft                                    | 15.71 (with rear seat folded down: 25.42)  |  |

1) depending on driving style and operating conditions