

2012 Audi S4

Technical specifications



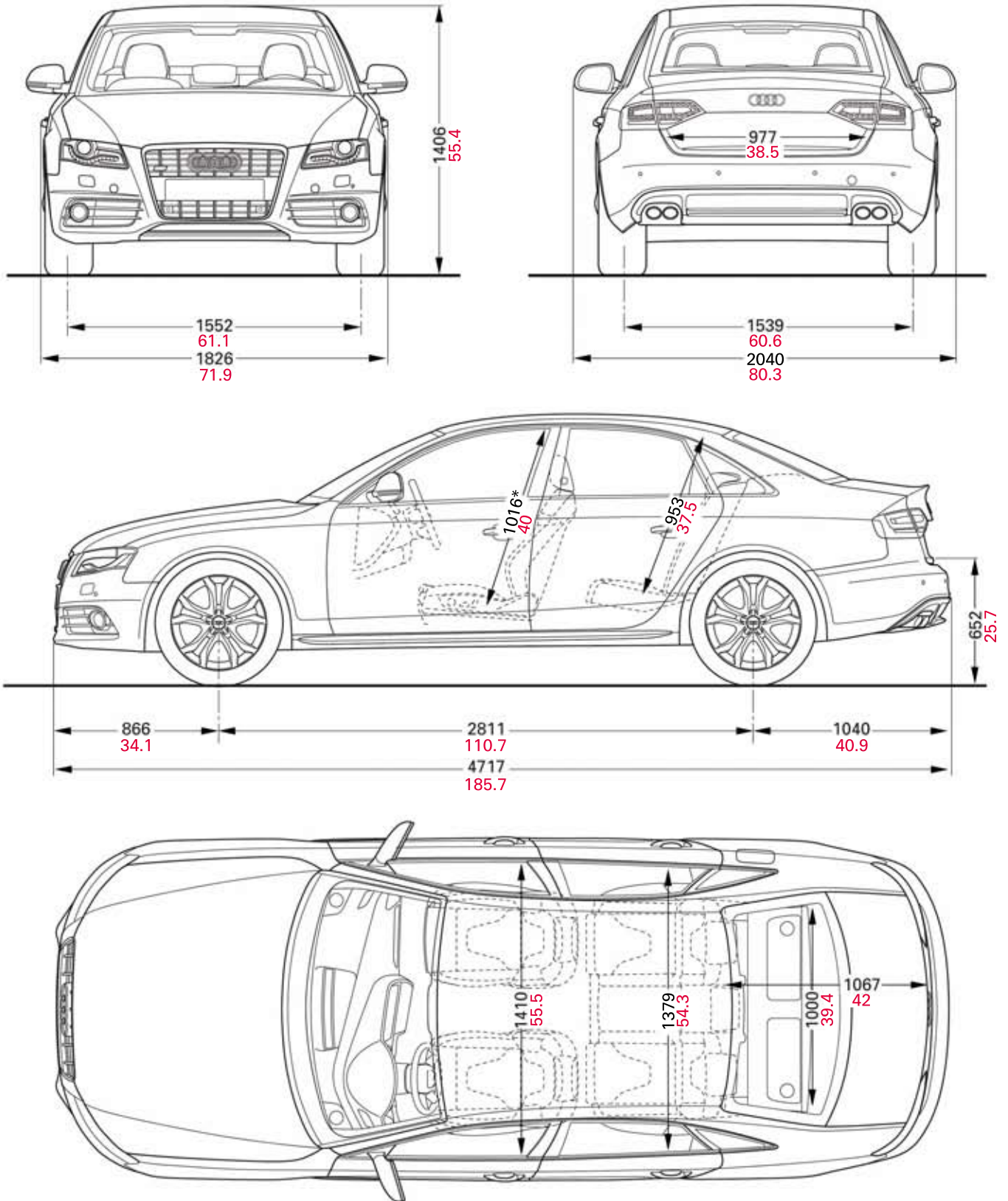
Technical specifications		2012 Audi S4	
ENGINE:			
Type	Direct petrol injection supercharged V6 with variable intake manifold, continuous camshaft adjustment, DOHC		
Arrangement	Front mounted, longitudinal		
Bore	3.33 in	84.5 mm	
Stroke	3.50 in	89 mm	
Displacement	182.8 cu in	2995 cc	
Compression ratio	10.3:1		
Fuel requirement	Premium unleaded (91 Octane) recommended		
Horsepower (SAE)	333 hp	@ 5,500	245 kW
Max. torque	325 lb ft	@ 2,900	440 nm
ENGINE DESIGN:			
Cylinder block	Aluminum alloy		
Cylinder head	Aluminum alloy		
Valve train / intake	DOHC, mechanical charger module with two intercoolers, two charge movement flaps, chain driven, four valves per cylinder		
Supercharger	Eaton R1320, maximum boost: 0.8 BAR / 11.6 psi		
Firing order	1 - 4 - 3 - 6 - 2 - 5		
Fuel injection / Ignition system	Fully electronic engine management with drive-by-wire throttle control, direct petrol injection, cylinder selective lambda control Mapped ignition with solid-state high-voltage distribution, manifold-pressure controlled system		
Emission system	Dual close-coupled ceramic main catalytic converters		
Emissions level	Tier2 BIN5 / ULEV II		
ELECTRICAL SYSTEM:			
Battery	12 volts	80 amp/hr	
Alternator	14 volts	140 amp	
DRIVETRAIN:			
Transmission	Automatic: S tronic® seven-speed dual clutch Manual: six-speed		
Type	quattro® S tronic		quattro manual
	dual electro-hydraulic clutch		manual, hydraulic clutch
Gear ratios:	1st	3.692	3.667
	2nd	2.238	2.158
	3rd	1.559	1.520
	4th	1.175	1.133
	5th	0.915	0.919
	6th	0.745	0.778
	7th	0.617	
	Reverse	2.944	3.222
	Final drive	3.875	3.682
Front differential	Hypoid gear, electronically locking (EDL)		
Center differential	Self-locking differential providing automatic and variable front to rear power proportioning		
Rear differential	Hypoid gear, electronically locking (EDL), optional mechanical torque-vectoring		
STEERING:			
Type	Vehicle speed-sensitive power rack and pinion, maintenance-free		
Ratio	16.3:1		
Turning circle (curb-to-curb)	37.4 ft	11.4 m	
SUSPENSION:			
Front	Five-link front suspension, upper and lower wishbones, tubular anti-roll bar		
Rear	Independent trapezoidal link with resiliently mounted subframe, anti-roll bar		
BRAKES:			
System	Dual-circuit brake system with diagonal split, Anti-lock brake system (ABS), Electronic Brake pressure Distribution (EBD) and Electronic Stabilization Program (ESP); tandem brake booster		
Front	13.6 in	345 mm	- Ventilated disc
Rear	13.0 in	330 mm	- Ventilated disc
Parking brake	Electromechanical, actuated at rear wheels		

Technical specifications (continued)		2012 Audi S4	
WHEELS:			
Size	8.0J x 18, five-parallel-spoke-S-design	standard	
	8.5J x 19, five-segment-spoke-design	optional	
	8.5J x 19, five-arm-Rotor-design, Titanium finish	optional	
TIRES:			
Size	245/40 R18 summer tires	standard	
	255/35 R19 summer tires	optional	
BODY:			
Material	Unitized steel structure with integrated aluminum and magnesium components		
Corrosion protection	All steel parts are 100% dual-side zinc-galvanized (twelve-year limited warranty against corrosion perforation)		
WARRANTY/MAINTENANCE:			
	Four-year/50,000 mile new vehicle limited warranty		
	Twelve-month/5,000 mile (whichever occurs first)		
CAPACITIES:			
Engine oil	8.6 qt	8.1 liter	
Fuel tank	16.9 gal	64 liter	
EXTERIOR DIMENSIONS:			
	Sedan		
Wheelbase	110.7 in	2811 mm	
Track: front / rear	61.1 / 60.6	1552 / 1539	
Overall length	185.7 in	4717 mm	
Overall width mirrors	71.9 / 80.3	1826 / 2040	
Height (unloaded)	55.4 in	1406 mm	
Ground clearance (loaded)	n/a in	n/a mm	
Curb weight	3,847 lb	1745 kg	3,924 lb 1780 kg (S tronic)
Drag coefficient	Cw = 0.29	Frontal Area =	= 2.20 sq m
INTERIOR DIMENSIONS:			
EPA class	Compact class		
Seating capacity	Five		
	Sedan		
Headroom (sunroof) front / rear	40.0 in	1016 mm	/ 37.5 in 953 mm
w/ sunshade front / rear	38.6 in	980 mm	/ 37.5 in 953 mm
Shoulder room front / rear	55.5 in	1410 mm	/ 54.3 in 1379 mm
Leg room front / rear	41.3 in	1049 mm	/ 35.2 in 894 mm
Int. vol. (EPA)			
Luggage capacity (EPA)	12.4 cu ft	34.0 cu ft	(2nd row folded)
PERFORMANCE:			
	quattro S tronic		quattro manual
0-60 mph	4.9	sec	4.9 sec
Top speed	Electronically limited to 155 mph		
FUEL ECONOMY:			
	2012 EPA figures		
	quattro S tronic		quattro manual
City	18	mpg	18 mpg
Highway	28	mpg	27 mpg
Combined	21	mpg	21 mpg

Audi S4



Dimensions



* maximum headroom

Dimensions in millimeters and inches

Dimensions of vehicle unloaded