

2007 RS 4 Sedan Technical Specifications



Technical Specifications		2007 Audi RS 4 Sedan	
ENGINE:			
Type	V8 spark-ignition engine with FSI Direct Injection, 4-valve technology, two light-alloy cylinder heads both with double overhead camshafts (DOHC), two inlet valves, two sodium-cooled exhaust valves, intake manifold with integrated charge movement and naturally-aspirated high-revving setup to 8250 rpm		
Management/mixture preparation	Fully electronic gasoline direct injection with air-mass measurement, mapped ignition with solid-state high-voltage distribution, continuous camshaft adjustment for the intake and exhaust valves, Bosch MED 9.1 coordinated torque control		
Arrangement	Front mounted		
Bore	3.33 in.	84.5 mm	
Stroke	3.65 in.	92.8 mm	
Displacement	254 cu. in.	4163 cc	
Compression ratio	12.5 : 1		
Fuel requirement	Premium unleaded 91 octane		
Horsepower (DIN)	420 hp @ 7800 rpm		
Max. Torque	317 lbs.-ft. @ 6000 rpm		
ENGINE DESIGN:			
Cylinder block	Aluminum alloy		
Cylinder head	Aluminum alloy		
Valve train / intake	Intake camshaft adjustment, DOHC chain driven, hydraulic lifters		
Cooling system	Water-cooled, thermostatically controlled radiator fan		
Lubrication system	Gear pump, pressurized, full flow with oil cooler		
Fuel injection	FSI Direct Injection		
Emission system	Two tubular manifolds, two primary catalytic converters, two underfloor main catalytic converters, cylinder-bank selective lambda control with permanent lambda control		
ELECTRICAL SYSTEM:			
Battery	12 volts	95 amp/hr	
Alternator	14 volts	190 amp	
DRIVETRAIN:			
Transmissions	6-speed manual transmission		
Type	quattro Manual 6-speed		
Gear ratios:	1st	3.667:1	
	2nd	2.211:1	
	3rd	1.520:1	
	4th	1.133:1	
	5th	0.919:1	
	6th	0.778:1	
	Final Drive	4.111:1	
Torque Split	asymmetrical/dynamic "40/60 rear-biased" torque split; up to 100% power can be transferred to either front/rear axle		
Front Differential	Hypoid gear, electronically locking (EDL)		
Center Differential	TORSEN® differential providing automatic and variable front to rear power proportioning by up to 100%		
Rear Differential	Hypoid gear, electronically locking (EDL)		
STEERING:			
Type	Maintenance-free rack-and-pinion steering with Servotronic electronic power assist		
Ratio	13.1:1		
Turns (lock-to-lock)	2.5		
Turning circle (curb-to-curb)	36.4 ft.	11.1 m	
SUSPENSION:			
Front	Independent four-link front suspension with virtual steering axis, anti-roll bar: single-tube shock absorbers and coil springs, radius link		
Rear	Double-wishbone rear suspension, anti-roll bar		
BRAKES:			
Service brake	Dual circuit brake system with diagonal split, Anti-lock Brake System (ABS) brake servo, Electronic Brake pressure Distribution (EBD), ventilated/cross-drilled brake discs at front and rear, and Electronic Stabilization Program (ESP 8.0) featuring brake disc wiping; tandem brake booster		
Front, size and type	14.4 in.	365 mm	Cross-drilled rotors and 8-piston high-performance brakes
Rear, size and type	12.8 in.	324 mm	Cross-drilled rotors and 1-piston high-performance brakes
Parking brake	Mechanically actuated at the rear wheels		

2007 RS 4 Sedan Technical Specifications



Technical Specifications (continued)		2007 Audi RS 4 Sedan			
WHEELS:		Standard			
Size		9J x 19			
Offset		29 mm			
Weight		Extra Load			
Type		Cast alloy 7 double-spoke			
TIRES:					
Size		255/35 ZR19			
Speed rating		ZR			
Construction		Radial			
Load Index		Extra Load			
Brand / Type (all approved)		Pirelli P Zero / Michelin Pilot Sport			
BODY:					
Material		Unitized steel structure with integrated aluminum and magnesium components; front fenders and engine hood 100% aluminum			
Corrosion protection		All steel parts are 100% dual-side zinc-galvanized. 12-year limited warranty against corrosion perforation.			
CAPACITIES:		quattro			
Engine oil		8.5 qt.	8 liter		
Fuel tank		16.6 gal.	63 liter		
Cooling system		12.2 qt.	11.5 liter		
EXTERIOR DIMENSIONS:		quattro			
Wheelbase		104.3 in.	2648 mm		
Track: front / rear		61.4 in.	1559 mm	/ 61.4 in.	1559 mm
Overall length		180.7 in.	4589 mm		
Overall width / with mirrors		71.5 in.	1816 mm	/ 76.1 in.	1933 mm
Height (unloaded)		55.7 in.	1415 mm		
Ground clearance (loaded)		3.7 in.	94 mm		
Curb weight: manual trans.		3957 lbs.	1795 kg		
Distribution: % front / rear		58/42			
Drag coefficient: Front / quattro		Cw = 0.31	Frontal Area = 2.17 sq.m.		
INTERIOR DIMENSIONS (SAE measurements):					
Seating Capacity		5			
EPA class		Compact			
Head room front / rear		38.4 in.	976 mm	/ 37.24 in.	946 mm
w/sunroof front / rear		37.9 in.	962 mm	/ 37.1 in.	942 mm
Shoulder room front / rear		55.1 in.	1400 mm	/ 53.43 in.	1357 mm
Leg room front / rear		41.3 in.	1050 mm	/ 34.25 in.	870 mm
Int. volume Sed front / rear		50.7 cu. ft.	1436 liters	/ 39.4 cu. ft.	1116 liters
Luggage Capacity Sedan		13.4 cu. ft.	380 liters	103.5 = total of cu. ft (including trunk volume)	
Int. Volume Ava front / rear		50.7 cu. ft.	1436 liters	/ 40.1 cu. ft.	1136 liters
PERFORMANCE:		quattro			
		Manual 6-speed			
0-60 mph (0-100 km/h)		4.8 sec.			
0-120 mph (0-200 km/h)		16.6 sec.			
Top speed		Top speed is electronically limited at 155 MPH (250 km/h)			
FUEL ECONOMY:		EPA estimate			
		quattro			
		Manual 6-speed			
City		14 mpg			
Highway		20 mpg			
Combined		17 mpg			