

Technical Data – Audi R8 4.2 FSI quattro

Programme for Germany - Status: December 2006

Model	Audi R8 4.2 FSI quattro	
Engine / electrics		
Engine type	Eight-cylinder V90° spark-ignition engine with dry-sump lubrication, petrol direct injection, four-valve technology, DOHC cylinder head, intake manifold with charge motion flaps	
Valve gear / number of valves per cylinder	Continuous camshaft adjustment for the intake and exhaust valves / 4	
Displacement in cc / bore x stroke in mm / compression	4163 / 84.5 x 92.8 / 12.5	
Max. power output in kW (bhp) / at rpm	309 (420) / 7,800	
Max. torque in Nm / at rpm	430 / 4,500 – 6,000	
Engine management / mixture preparation	Fully electronic engine management Bosch MED 9.1 'master-slave' concept, drive-by-wire throttle control, sequential petrol direct injection, adaptive lambda control, adaptive knock control, comfort and quick-start system, mapped ignition with solid-state high-voltage distribution	
Exhaust emission control	Two metal primary catalytic converters, two metal main catalytic converters, four heated oxygen sensors, secondary air system	
Emissions class	EU4	
Alternator in A / battery in A/Ah	190 / 520/110	
Drive / transmission		
Drive type	quattro permanent four-wheel drive, electronic differential lock EDL, traction control ASR, double-plate clutch	
Clutch		
Gearbox type	6-speed manual gearbox	R tronic sequential manual gearbox
Gear ratio in 1st gear / 2nd gear	4.373 / 2.709	4.373 / 2.709
Gear ratio in 3rd gear / 4th gear	1.878 / 1.411	1.878 / 1.411
Gear ratio in 5th gear / 6th gear /	1.126 / 0.928	1.126 / 0.928
Reverse gear / final drive ratio	3.713 / 3.462	3.713 / 3.462
Running gear / steering / brakes		
Front suspension	Double-wishbones	
Rear suspension	Double-wishbones	
Steering / steering ratio / turning circle in m (D102)	Hydraulically assisted rack-and-pinion steering / 17.3 / 11.8	
Brake system	Electronic stabilisation program ESP with integrated ABS	
Wheels / tyres	Front: 8.5Jx18 / 235/40 R18; rear: 10.5 Jx18 / 285/35 R18	
Performance / consumption / acoustics		
Top speed in km/h	301	301
Acceleration 0-100 / 0-200 km/h in sec	4.6 / 14.9	4.6 / 14.9
Fuel grade	Super Plus 98 RON	
Fuel consumption: urban / extra-urban / combined, l/100 km	22.1 / 10.2 / 14.6	20.4 / 9.6 / 13.6
CO ₂ mass emission, g/km	528 / 244 / 349	487 / 230 / 325
Standing / drive-past exterior noise level in dB (A)	99 / 75	99 / 74
Servicing / guarantee (Germany)		
Oil change / inspection	According to service indicator up to 30,000 (max. 2 years)	
Vehicle/paint/rust perforation guarantee	2 years with unlimited mileage / 3 years / 12 years	
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	17 / 29 / 29	
Weights / loads		
Unladen weight in kg (excl. driver) / gross weight limit in kg	1560 / 1860	1565 / 1865
Axle load limit at front / rear in kg	890 / 1050	890 / 1055
Capacities		
Cooling system capacity (incl. heating) in l	23	
Engine oil capacity (incl. filter) in l	14.2	
Fuel tank capacity in l	75 (optional: 90)	
Body / dimensions		
Body type	Aluminium body (ASF), boot lid and wings (plastic)	
Number of doors / seats	2 doors / 2 seats	
Drag coefficient c _d / frontal area A in m ²	0.34 / 1.99	
Length / width excl. mirrors / height, unladen, mm	4431 / 1904 / 1252	
Wheelbase / track at front/rear, mm	2650 / 1632 / 1593	
Height of loading lip, unladen, mm	--	
Luggage capacity in l, acc. to VDA block method (V210)	100 / 90	