

Technical Data - Audi R8 Spyder 5.2 FSI quattro

Program for Germany - Status: July 2010

Model	Audi R8 Spyder 5.2 FSI quattro
Engine / electronics	
Engine type	90° V10 gasoline engine with dry sump lubrication, gasoline direct injection, four-valve technology, DOHC cylinder head, intake manifold with charge movement flaps
Valve gear / number of valves per cylinder	Continuous intake and exhaust camshaft adjustment / 4
Displacement in cc	5204 / 84.5 x 92.8 / 12.5
Max. power output in kW (hp) / at rpm	386 (525) / 8,000
Max. torque in Nm (lb-ft) / at rpm	530 (390.91) / 6,500
Mixture preparation	
Exhaust emission control	Two metal primary catalytic converters, two metal main catalytic converters; four heated oxygen sensors, secondary air system
Emissions class	EU 5
Alternator in A / battery in A/Ah	190 / 520 / 110
Recuperation	Temporarily stores braking energy in the battery, and thus aids driving off and acceleration
Drivetrain / transmission	
Drive type	All-wheel drive, mechanical differential lock, traction control (ASR)
Clutch	Double-disk clutch 215 mm diameter
Transmission type	R tronic sequential transmission
Gear ratio in 1st gear / 2nd gear	4.373 / 2.709
Gear ratio in 3rd gear / 4th gear	1.925 / 1.502
Gear ratio in 5th gear / 6th gear	1.239 / 1.035
Reverse gear / final drive ratio	3.713 / 3.077
Suspension / steering / brakes	
Front suspension	Double-wishbone suspension
Rear suspension	Double-wishbone suspension
Steering / steering ratio / turning circle in meters (D102) (feet)	Hydraulic rack-and-pinion steering / 16.3 / 11.8 (38.71)
Brake system	Electronic stabilization program ESP with integrated ABS
Wheels / tires	Forged aluminium wheels; front: 8.5J x 19, rear: 11J x 19 / front: 235/35 R 19, rear: 295/30 R 19
Performance / consumption / acoustics	
Top speed in km/h (mph)	313 (194.49)
Acceleration, 0-100 km/h (0-62.14 mph) in sec	4,1
Fuel / octane value	Super Plus / 98 RON
Fuel consumption: city / highway / combined, l/100 km (US mpg)	21.5 (10.94) / 10.2 (23.06) / 14.2 (16.56)
CO2 mass emission, g/km (g/mile)	499 (803.06) / 237 (381.41) / 332 (534.30)
Idling / drive-past exterior noise level in dB (A)	90 / 74
Servicing / guarantee (Germany)	
LongLife Service after max. km (miles)	According to service indicator up to 30,000 (18,641.14) (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-	17 / 31 / 29
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit; in kg (pounds)	1725 (3,802.97) / 1800 (3,968.32) / 2025 (4,464.36)
Axle load limit at front / rear in kg (pounds)	970 (2,138.48) / 1160 (2,557.36)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (pounds)	- / - / -
Roof load limit in kg / permissible nose weight in kg (pounds)	- / -
Capacities	
Engine oil capacity (including filter) in liters (US quarts)	8.3 (8.77)
Fuel tank capacity in liters (US gallons)	80 (21.13)
Body / dimensions	
Body type / number of doors / seats	Audi Space Frame ASF / 2 doors / 2 seats
Drag coefficient Cd / frontal area A in m2 (square feet)	0.36 / 1.99 (21.42)
Length (L103) / width excluding mirrors (W103) / height (H101-M), mm (feet)	4435 (14.55) / 1904 (6.25) / 1244 (4.08)
Wheelbase (L101) / track at front/rear (W101-1/W101-2), mm (feet)	2650 (8.69) / 1638 (5.37) / 1595 (5.23)
Height of loading lip in mm (H196) (feet)	663 (2.18)
Luggage capacity in liters (cubic feet), according to VDA block method (V211) / rear seat bench folded	100 (3.53) / -