

# Technical Data - Audi R8 Spyder 4.2 FSI quattro

Program for Germany - Status: July 2010

Model	Audi R8 Spyder 4.2 FSI quattro
<b>Engine / electronics</b>	
Engine type	90° V8 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	4163 / 84.5 x 92.8 / 12.5
Max. power output in kW (hp) / at rpm	316 (430) / 7,900
Max. torque in Nm (lb-ft) / at rpm	430 (317.15) / 4,500-6,000
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
<b>Drivetrain / transmission</b>	
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	1.878 / 1.411
Gear ratio in 5th gear / 6th gear	1.126 / 0.928
Reverse gear / final drive ratio	3.713 / 3.462
<b>Suspension / steering / brakes</b>	
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	Cast aluminium wheels; front: 8.5J x 18, rear: 10.5J x 18 / front: 235/40 R 18, rear: 285/35 R 18
<b>Performance / consumption / acoustics</b>	
Top speed in km/h (mph)	300 (186.41)
Acceleration, 0-100 km/h (0-62.14 mph) in sec	4.8
Fuel / octane value	Super Plus / 98 RON
Fuel consumption: city / highway / combined, l/100 km (US mpg)	20.1 (11.70) / 9.6 (24.50) / 13.5 (17.42)
CO2 mass emission, g/km (g/mile)	470 (756.39) / 225 (362.10) / 315 (506.94)
Idling / drive-past exterior noise level in dB (A)	89 / 74
<b>Servicing / guarantee (Germany)</b>	
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 / 29 / 29
<b>Weights / loads</b>	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit; in kg (pounds)	1665 (3,670.70) / 1740 (3,836.04) / 1965 (4,332.08)
Axle load limit at front / rear in kg (pounds)	935 (2,061.32) / 1130 (2,491.22)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (pounds)	- / - / -
Roof load limit in kg / permissible nose weight in kg (pounds)	- / -
<b>Capacities</b>	
Engine oil capacity (including filter) in liters (US quarts)	10 (10.57)
Fuel tank capacity in liters (US gallons)	80 (21.13)
<b>Body / dimensions</b>	
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) / -