

Technical Data - Audi R8 GT 5.2 FSI quattro

Program for Germany – Status: August 2010

Model

Audi R8 GT 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	412 (560) / 8,000
Max. torque in Nm (<i>lb-ft</i>) / at rpm	540 (398.28) / 6,500
Mixture preparation	Fully electronic engine management Bosch MED 9.1 master/slave principle, drive-by-wire throttle control, sequential gasoline 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	EU5
Alternator in A / battery in A/Ah	190 / 340/70
Drivetrain / transmission	
Drive type	quattro permanent all-wheel drive, mechanical differential lock, traction control (ASR)
Clutch	Double-disk clutch 215mm diameter
Transmission type	R tronic sequential gearbox
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
Gear ratio in 7th gear	
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) (<i>feet</i>)	Hydraulic rack-and-pinion steering / 16.3 / 11.8 (38.71)
Brake system	Electronic stabilization program ESP with integrated ABS
Brake discs	Ventilated and perforated front and rear; front: 380 x 34 mm; rear: 356 x 32 mm
Wheels / tires	19-inch forged aluminum wheels / front: 8.5J x 19 / 235/35ZR19; rear: 11J x 19 / 295/30ZR19
Performance / consumption / acoustics	
Top speed in km/h (<i>mph</i>)	320 (198.84)
Acceleration, 0-100 km/h (0-62.14 <i>mph</i>) in sec	3,6
Fuel / octane value	Super Plus / 98 RON
Fuel consumption: city / highway / combined, l/100 km (<i>US mpg</i>)	21.0 (11.20) / 9.9 (23.76) / 13.9 (16.92)
CO2 mass emission, g/km (<i>g/mile</i>)	488 (785.36) / 230 (370.15) / 323 (519.82)
Idling / drive-past exterior noise level in dB (A)	98 / 74
Servicing / guarantee (Germany)	
LongLife Service after max. km (<i>miles</i>)	According to service indicator up to 30,000 (18,641.14) (max. 2 years) ¹⁾
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 / 31 / 29
Weights / loads	
Unladen weight in kg according to EU (excl. driver)/(incl. driver)/ gross weight limit	1,525 (3,362.05) / 1,650 (3,637.63) / 1,825 (4,023.44)
Axle load limit at front / rear in kg (<i>pounds</i>)	940 (2,072.35) / 1,095 (2,414.06)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (<i>pounds</i>)	- / - / -
Roof load limit in kg / permissible nose weight in kg (<i>pounds</i>)	- / -
Capacities	
Engine oil capacity (including filter) in liters (<i>US quarts</i>)	8.3 (8.77)
Fuel tank capacity in liters (<i>US gallons</i>)	75 (19.81)
Body / dimensions	
Body type / number of doors / seats	Audi Space Frame ASF aluminum body / 2 doors / 2 seats
Drag coefficient Cd / frontal area A in m2 (<i>square feet</i>)	0.36 / 1.99 (21.42)
Length (L103) / width excl. mirrors (W103) / height (H101-M), mm (<i>feet</i>)	4434 (14.55) / 1930 (6.33) / 1242 (4.07)
Wheelbase (L101) / track at front/rear (W101-1/W101-2), mm (<i>feet</i>)	2650 (8.69) / 1638 (5.37) / 1595 (5.23)
Height of loading lip in mm (H196) (<i>feet</i>)	653 (2.14)
Luggage capacity in liters (<i>cubic feet</i>), according to VDA block method (V211) / rear seat bench folded	100 (3.53) / -

1) depending on driving style and operating conditions