

Technical Data Audi R8 Coupé 5.2 FSI quattro S tronic (456 kW)

Program for Germany

Status: 02/27/2019

Engine / electrics	
Engine type	V10 gasoline engine
Valve gear / number of valves per cylinder	Roller cam follower, continuous intake and exhaust camshaft adjustment, hydraulic valve-play compensation / 2/2 inlet/exhaust valves per cylinder
Displacement in cc / bore x stroke in mm / compression	5204 / 84,5 x 92,8 / 12,7
Max. power output in kW (hp) / at rpm	456 (620) / 8000
Max. torque in Nm (lb-ft) / at rpm	580 (427,8) / 6600
Mixture preparation	Direct injection, lambda control, knock control
Exhaust emission control	Catalytic converter, lambda probe, exhaust gas recirculation
Emissions standard	Emission control concept, EU6 BG
Start-stop / REM	Yes / -
Battery in A / Ah	420 / 75
Max. electrical output at 12V in kilowatts	2,2
On-board voltage 1 in volts	12
Drivetrain / transmission	
Drive type	All-wheel drive
Type of center differential	Electronically controlled multi-plate clutch
Type of rear axle differential	mechanical
Clutch	Dual clutch
Transmission type	7-speed S tronic
Transmission ratio in 1st/2nd gear	13,969 / 9,287
Transmission ratio in 3rd/4th gear	6,746 / 5,080
Transmission ratio in 5th/6th gear	4,003 / 3,171
Gear ratio in 7th gear / 8th gear	2,343 / -
Reverse gear ratio / final drive ratio 1-2	11,801 / 1,848
Suspension / steering / brakes	
Type and design of front-axle suspension	Double-wishbone suspension
Type and design of rear-axle suspension	Double-wishbone suspension
Steering	Electromechanical steering with speed-dependent power assistance
Steering ratio min. / max.	15,7 / 15,7
Turning circle / turning circle optional in m (ft)	11,2 (36,7) / -
Brake control system	Dual-circuit brake system with diagonal split, ESC/ABS/EBD, brake booster, hydraulic brake assist
Wheels / tires	Aluminium-Guss front 8,5J x 19 / 245/35 R19 93 Y XL rear 11J x 19 / 295/35 R19 102 Y XL
Performance / acoustics	
Top speed in km/h (mph)	331 (205,7)
Governed	no
Acceleration, 0-100 km/h (0-62.1 mph)	3,1
Fuel type / octane value	Gasoline / 100
Fuel standard	Super Plus / ROZ100
Exterior noise level when stationary / drive-past as per ECE R51.02 / drive-past as per ECE R51.03 in db (A)	90,7 / 72
Consumption / emissions*	
Fuel consumption, urban/extra-urban/combined in liters per 100 kilometers (US mpg)	20,0 (11,8) / 9,0 (26,1) / 13,1 (18,0)
CO ₂ emissions combined in grams per kilometer (g/mi)	297 (478)
Servicing / guarantee (Germany)	
Service interval (mi)	30,000 km (18,641.1) / 2 years, whichever comes first
Vehicle / paint / rust perforation guarantee	2 / 3 / 12 (years)
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	15 / 33 / 30
Weights / loads	
Unladen weight without driver / with driver / gross weight limit in kg (lb)	1595 (3516,4) / 1670 (3681,7) / 1915 (4221,9)
Front/rear axle load limit in kg (lb)	905 (1995,2) / 1140 (2513,3)
Capacities	
Cooling system capacity (incl. heating) in liters (US gal)	24,7 (6,5)
Engine oil capacity, including filter (change volume) in liters (US qt)	8,3 (8,8)
Fuel tank capacity in liters (US gal)	Series 73 (19,3) / Optional 83 (21,9)
Dimensions / body	
Body type / number of doors	Audi Space Frame (ASF) / 2
Number of seats	2
Drag coefficient Cd / frontal area A in m ² (sq ft)	0,35 / 2,01 (21,6)
Standard dimensions (length / width excluding mirrors / height with steel springs / height with air springs) in mm (ft)	4429 (14,5) / 1940 (6,4) / 1236 (4,1) / -
Width including mirrors in mm (ft)	2037 (6,7)
Wheelbase / track width front/rear in mm (ft)	2650 (8,7) / 1645 (5,4) / 1599 (5,2)
Overhang angle of steel springs, front/rear in degrees	17,20 / 8,50
Luggage capacity behind 2nd seat bench, open / closed in l (cu ft)	- / 112 (4)

 * Fuel consumption and CO₂ emission figures given in ranges depend on the tires/wheels used