

Audi R8 Coupé V10



performance quattro 456 kW

Engine / electrics

Engine type	V10 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 (PS) / at rpm	456 (620) / 8000
Max. torque in Nm (<i>lb-ft</i>) / at rpm	580 (427.8) / 6600
Mixture preparation	Direct injection, lambda control, knock control
Exhaust emission control	Catalytic converter, oxygen sensor, gasoline particulate filter
Emission standard	Euro 6e
Max. electrical output at 12V in kW	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	quattro sport
Clutch	Dual clutch
Transmission type	7-speed S tronic
Transmission ratio in 1 st /2 nd gear	13.969 / 9.287
Transmission ratio in 3 rd /4 th gear	6.746 / 5.080
Transmission ratio in 5 th /6 th gear	4.003 / 3.171
Transmission ratio in 7 th /8 th gear	2.343 / -
Reverse gear ratio / final drive ratio 1-2 / 2-3	11.801 / 1.848 / 1.488

Suspension / steering / brakes

Tires (basic)	245/35 295/35 R 19
Wheels (basic)	Alloy 8.5 J 11 J x 19"
Steering	Electromechanical steering with speed-dependent power assistance
Steering ratio	15.7
Turning circle in m (<i>ft</i>)	11.2 (36.7)
Brake system	Front: aluminum fixed calipers, internally ventilated brake disks; Rear: internally ventilated brake disks

Performance / fuel / acoustics

Top speed in km/h (<i>mph</i>)	331 (205.7)
Acceleration, 0-100 km/h (0-62.1 <i>mph</i>)	3.1
Fuel type / octane value / fuel standard	Gasoline / 100 / DIN EN 228
Exterior noise level when stationary / drive-past as per ECE R51.03 in dB (A)	90.7 / 72

Consumption / emission*

Fuel consumption, combined in l/100 km (<i>US mpg</i>)	13.1 - 12.9 (18.0 - 18.2)
CO ₂ emissions, combined in g/km (<i>g/mi</i>)	297 - 293 (478.0 - 471.5)
CO ₂ class	G

Servicing / guarantee (Germany)

Service interval	30,000 km (18,641.1 mi) / 2 years, whichever comes first
Vehicle / paint / rust perforation guarantee	2 / 3 / 12 years
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	20 / 34 / 30

Weights / loads

Unladen weight without driver / with driver / gross weight limit in kg (<i>lb</i>)	1595 (3516.4) / 1670 (3681.7) / 1915 (4221.9)
Front / rear axle load limit in kg (<i>lb</i>)	905 (1995.2) / 1140 (2513.3)

Capacities

Cooling system capacity (<i>incl. heating</i>) in l (<i>US gal</i>)	24.7 (6.5)
Engine oil capacity, including filter (<i>change volume</i>) in l (<i>US qt</i>)	8.3 (8.8)
Fuel tank capacity / optional in l (<i>US gal</i>)	73 (19.3) / 3 (21.9)

Dimensions / body

Body type / number of doors / number of seats	Audi Space Frame (ASF) / 2 / 2
Drag coefficient C _d / frontal area A in m ² (<i>sq ft</i>)	0.35 / 2.01 (21.6)
Standard dimensions (<i>length / width excluding mirrors / height with steel springs / air springs</i>) in mm (<i>ft</i>)	4429 (14.5) / 1940 (6.4) / 1236 (4.1)
Vehicle width, including mirrors, in mm (<i>in</i>)	2037 (6.7)
Wheelbase // track width front/rear in mm (<i>ft</i>)	2650 (8.7) // 1645 (5.4) / 1599 (5.2)
Overhang angle of steel springs, front / rear in degrees	17.20 / 8.50
Closed luggage compartment - behind the 2 nd seat row in l (<i>cu ft</i>)	112 (4.0)

*Additional equipment and accessories (attachments, tire size, etc.) may change relevant vehicle parameters, such as weight, rolling resistance and aerodynamics, and, alongside weather and traffic conditions as well as individual driving style, may affect a vehicle's fuel consumption, CO₂ emissions and performance figures.