

Technical Data – Audi RS 5 Coupé 4.2 FSI quattro S tronic (331 kW)

Program for Germany

Status: January 2012

Engine / electronics	
Engine type	V8 spark-ignition engine, high-revving concept, four-valve technology, dual-branch intake system, DOHC
Valve gear / number of valves per cylinder	Intake camshaft adjustment, roller cam followers with hydraulic adjustment / 4
Displacement in cc	4163 / 84.5 x 92.8 / 11.0
Max. power output in kW (hp) / at rpm	331 (450) / 8250
Max. torque in Nm (lb-ft) / at rpm	430 (317.15) / 4000 - 6000
Mixture preparation	Fully electronic engine management with drive-by-wire throttle control, Bosch MED 17.1; gasoline direct injection, demand-controlled high-pressure and low-pressure fuel regulation, continuous lambda control, mapped ignition with solid-state high-voltage distribution, cylinder-selective adaptive knock control
Exhaust emission control	Two close-coupled ceramic catalytic converters; adaptive lambda control, each with two oxygen sensors (guiding sensor and control sensor)
Emissions class	EU 5
Alternator in A / battery in A/Ah	190 / 380/80
Drivetrain / transmission	
Drive type	quattro permanent all-wheel drive with crown-gear center differential, electronic stabilization program
Clutch	Dual-clutch
Transmission type	7-speed S tronic
Gear ratio in 1st gear / 2nd gear	3.692 / 2.238
Gear ratio in 3rd gear / 4th gear	1.559 / 1.175
Gear ratio in 5th gear / 6th gear	0.915 / 0.745
Gear ratio in 7th gear / 8th gear	0.617
Reverse gear / final drive ratio	2.944 / 4.375
Suspension / steering / brakes	
Front suspension	Five-link front suspension, upper and lower wishbones, solid anti-roll bar
Rear suspension	Independent-wheel, trapezoidal-link rear suspension with resiliently mounted subframe, anti-roll bar
Steering / steering ratio / turning circle in meters (D102) (feet)	Maintenance-free rack-and-pinion steering, EPS / 16.3 / 11.4 (37.40)
Brake system	Dual-circuit brake system with diagonal split, ABS/EBD and ESP with brake assist; tandem brake booster; front: ventilated disks / rear: ventilated disks
Wheels / tires	9J x 19 cast aluminum wheels / 265/35 R 19 98Y
Performance / consumption / acoustics	
Top speed in km/h (mph)	250 (155.34) (governed) Optionally 280 (173.98) (governed)
Acceleration, 0-100 km/h (0-62.14 mph) in sec	4.5
Fuel / octane value	Super Plus unleaded / 98 RON
Fuel consumption: city / highway / combined, l/100 km (US mpg)	14.4 (16.33) / 8.3 (28.34) / 10.5 (22.40)
CO2 mass emission, g/km (g/mile)	246 (395.90)
Idling / drive-past exterior noise level in dB (A)	85 / 73
Servicing / guarantee (Germany)	
LongLife Service after max. km (miles)	According to service indicator up to 30,000 (18,641.14) or 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-comprehensive	Not available at the time of printing
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (pounds)	1715 (3780.93) / 1790 (3946.27) / 2215 (4883.24)
Axle load limit at front / rear in kg (pounds)	1170 (2579.41) / 1095 (2414.06)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (pounds)	0
Roof load limit in kg / permissible nose weight in kg (pounds)	75 (165.35)
Capacities	
Cooling system capacity (incl. heating) in liters (US gallons)	9.7 (2.56)
Engine oil capacity (including filter) in liters (US quarts)	10.7 (11.31)
Fuel tank capacity in liters (US gallons)	61 (16.11)
Body / dimensions	
Body type / number of doors / seats	Galvanized, unitary steel body, crumple zones at front and rear / 2 doors with additional side protection / four seats
Drag coefficient Cd / frontal area A in m2 (square feet)	0.32 / 2.18 (23.47)
Length (L103) / width excluding mirrors (W103) / height (H101-M), mm (feet)	4649 (15.25) / 1860 (6.10) / 1366 (4.48)
Wheelbase (L101) / track at front/rear (W101-1/W101-2), mm (feet)	2751 (9.03) / 1586 (5.20) / 1582 (5.19)
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	455 (16.07) (with rear seat folded down: 829 (29.28))