

Technical Data – Audi RS 5

Program for Germany - Status: February 2010

Model	Audi RS 5
Engine / electronics	
Engine type	V8 spark-ignition engine, four-valve technology, DOHC
Valve gear / number of valves per cylinder	Continuous intake and exhaust camshaft adjustment, hydraulic valve play compensation with roller cam followers, 4 valves
Displacement in cc / bore x stroke in mm / compression	4163 / 84.5 x 92.8 / 12.3
Max. power output in kW (hp) / at rpm	331 (450) / 8250
Max. torque in Nm (<i>lb-ft</i>) / at rpm	430 (317.15) / 4000 – 6000
Engine management / 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 / 450 / 95
Drivetrain / transmission	
Drive type	quattro permanent all-wheel drive with self-locking crown-gear center differential and torque vectoring, electronic stabilization program (ESP)
Clutch	Two electrohydraulically controlled multi-plate clutches in an oil bath
Transmission type	7-speed S tronic with electrohydraulic control
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	0.617
Reverse gear / final drive ratio	2.944 / 4.375
Suspension / steering / brakes	
Front suspension	Five-link front suspension, upper and lower wishbones, tubular 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) (<i>feet</i>)	Maintenance-free rack-and-pinion steering with speed-dependent power assistance (servotronic) / 16.3 / 11.6 (38.06)
Brake system	18" high-performance brake system, dual-circuit with diagonal split, ABS/EBD and ESP with brake assist; tandem brake booster; ventilated disks front and rear
Wheels / tires	9J x 19 cast aluminum wheels / 265/35 R 19
Performance / consumption / acoustics	
Top speed in km/h (<i>mph</i>)	250 (155.34) (governed)
Acceleration, 0-100 km/h (0-62.14 <i>mph</i>) in sec	4.6
Fuel	Super Plus sulfur-free, 98 RON
Fuel consumption: city / highway / combined, l/100 km (<i>US mpg</i>)	14.9 / 8.5 / 10.8 (15.79 / 27.67 / 21.78)
CO ₂ emissions: city / highway / combined, g/km (<i>g/mile</i>)	347 / 198 / 252 (558.44 / 318.65 / 405.55)
Idling / drive-past exterior noise level in dB (A)	78 / 73
Servicing / guarantee (Germany)	
LongLife Service	Per service indicator, depending on operating conditions (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	19 / N28 / N30
Weights / loads	
Unladen weight (excluding driver)/ gross weight limit in kg (<i>pounds</i>)	1725 / 2225 (3802.97 / 4905.29)
Axle load limit at front/rear in kg (<i>pounds</i>)	1180 / 1145 (2601.45 / 2524.29)
Roof load limit in kg (<i>pounds</i>)	75 (165.35)
Capacities	
Cooling system capacity (incl. heating) in liters (<i>US gallons</i>)	12.2 (3.22)
Engine oil capacity (including filter) in liters (<i>US quarts</i>)	11.4 (12.05), change quantity 9.7 (10.25)
Fuel tank capacity in liters (<i>US gallons</i>)	64 (16.91)
Body / dimensions ²⁾	
Body type	Galvanized, unitary steel body, crumple zones at front and rear
Number of doors / seats	2 doors with additional side protection / four seats
Drag coefficient Cd / frontal area A in m ² (<i>square feet</i>)	0.33 / 2.18 (23.47)
Length (L103)/ width excluding mirrors (W103)/ height (H100-M), mm (<i>feet</i>)	4649 / 1860 / 1366 (15.25 / 6.1 / 4.48)
Wheelbase (L101) / track at front/rear (W101-1/W102-2), mm (<i>feet</i>)	2751 / 1586 / 1582 (9.03 / 5.2 / 5.19)
Height of loading lip in mm (H196) (<i>feet</i>)	663 (2.18)
Luggage capacity in liters (<i>cubic feet</i>), according to VDA block method (V211) (V214)	455 (1.49)

1) depends on driving style and operating conditions

2) details of dimensions with unladen vehicle weight