

Technical Data - Audi TT RS Coupé

Status: December 2009

Model	Audi TT RS Coupé
Engine / electronics	
Engine type	Inline five-cylinder spark-ignition engine with gasoline direct injection, exhaust turbocharger with intercooler, four valves per cylinder, double overhead camshafts (DOHC)
Valve gear / number of valves per cylinder	Continuous intake and exhaust camshaft adjustment / 4
Displacement in cc / bore x stroke in mm / compression	2480 / 82.5 x 92.8 / 10 : 1
Max. power output in kW (hp) / at rpm	250 (340) / 5400-6500
Max. torque in Nm (<i>lb-ft</i>) / at rpm	450 (331.9) / 1600 - 5300
Engine management / mixture preparation	Fully electronic engine management with drive-by-wire throttle control, direct injection, adaptive lambda control, mapped ignition with solid-state high-voltage distribution, cylinder-selective adaptive knock control
Exhaust emission control	2-branch exhaust system with 1 close-coupled primary catalytic converter, 2 underfloor catalytic converters, 1 x universal oxygen sensor upstream of primary cat, 1 x planar oxygen sensor downstream of underfloor cat, continuous, cylinder-selective oxygen sensor control
Emissions class	EU 5
Alternator in A / battery in A/Ah	140 / 380 / 80
Drivetrain / transmission	
Drive type	quattro permanent all-wheel drive with electronically controlled multi-plate clutch, electronic differential lock EDL
Clutch	Hydraulically operated single-plate dry clutch with asbestos-free and lead-free linings
Gearbox type	6-speed manual transmission, synchromesh on all gears
Gear ratio in 1st gear / 2nd gear	3.57 / 2.16
Gear ratio in 3rd gear / 4th gear	1.89 / 1.43
Gear ratio in 5th gear / 6th gear	1.16 / 0.97
Gear ratio in reverse gear	4.5
Final drive ratio in 1st - 4th gear / 5th, 6th and reverse gear	3.765 / 2.909 / 3.200
Suspension / steering / brakes	
Front suspension	McPherson struts with aluminium lower wishbones, aluminum pivot bearings, aluminum subframe, anti-roll bar, track-stabilizing steering roll radius
Rear suspension	Four-link rear suspension with separate spring/shock absorber arrangement, subframe, aluminum wheel carriers, anti-roll bar
Steering / steering ratio / turning circle in meters (D102) (<i>feet</i>)	Electromechanical steering with speed-dependent power assist; steering wheel turns lock to lock: 2.9, steering ratio: 16.9, turning circle (D102): 10.96 (35.96 ft.)
Brake system	Dual-circuit brake system with diagonal split, ESP, hydraulic brake assist, disk brakes ventilated at front and rear
Wheels / tyres	Wheels: aluminium, 9Jx19 ; tyres: 255/35 R19 Y
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 type	Super Plus unleaded, 98 RON
Fuel consumption: city / highway / combined, l/100 km (<i>US mpg</i>)	13.1 / 6.9 / 9.2 (17.96 / 34.09 / 25.57)
CO ₂ emissions: city / highway / combined, g/km (<i>g/mile</i>)	304 / 161 / 214 (489.24 / 259.1 / 344.4)
Idling / drive-past exterior noise level in dB (A)	100 / 73
Servicing / guarantee	
Service	15,000 kms or 12 months (whichever comes first) ¹⁾
Vehicle / paint / rust perforation guarantee	3 years with unlimited mileage / 3 years / 12 years
Weights / loads	
Unladen weight in kg / gross weight limit in kg (<i>pounds</i>)	1450 / 1850 (3196.7 / 4078.55)
Axle load limit at front / rear in kg (<i>pounds</i>)	1040 / 870 (2292.81 / 1918.02)
Roof load limit in kg (<i>pounds</i>)	75 (165.35)
Capacities	
Cooling system capacity (incl. heating) in liters (<i>US gallons</i>)	8.6 (2.27)
Engine oil capacity (including filter) in liters (<i>US quarts</i>)	5.7 (6.02)
Fuel tank capacity in liters (<i>US gallons</i>)	60 (15.85)
Body / dimensions ¹⁾	
Body type	Audi Space Frame ASF
Number of doors / seats	2 / 2 + 2
Drag coefficient Cd / frontal area A in m (<i>square feet</i>)	0.32 / 2.09 (22.5)
Length (L103) / width excluding mirrors (W103) / height (H101-M), mm (<i>feet</i>)	4198 / 1842 / 1342 (13.77 / 6.04 / 4.4)
Wheelbase (L101) / track at front/rear (W101/W102), mm (<i>feet</i>)	2468 / 1555 / 1546 (8.1 / 5.1 / 5.07)
Height of loading lip in mm (H196) (<i>feet</i>)	777 (2.55)
Luggage capacity in liters (<i>cubic feet</i>), according to VDA block method V210-2 (V211-2)	290 (10.24) / 700 (24.72) with rear seat folded down

1) details of dimensions with unladen vehicle weight