

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 (US mpg)	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 (US gallons)	8.6 (2.27)
Engine oil capacity (including filter) in liters (US quarts)	5.7 (6.02)
Fuel tank capacity in liters (US gallons)	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