

# Technical Data – Audi TT RS Roadster

Program for Germany – Status: March 2009

Model	Audi TT RS Roadster
<b>Engine / electronics</b>	
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
<b>Drivetrain / transmission</b>	
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
<b>Suspension / steering / brakes</b>	
Front suspension	McPherson struts with aluminum 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 ( <i>35.96 ft.</i> )
Brake system, front/rear	Dual-circuit brake system with diagonal split, ESP, hydraulic brake assist, disk brakes ventilated at front and rear; brake system: 18"/17"
Wheels / tires	Wheels: aluminum, 9Jx18, offset: 52; tires: 245/40 R18 93Y
<b>Performance / consumption / acoustics<sup>1</sup></b>	
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	4.7
Fuel type	Super Plus unleaded, 98 RON
Fuel consumption: city / highway / combined, l/100 km ( <i>US mpg</i> )	13.3 / 7.2 / 9.5 (17.69 / 32.67 / 24.76)
CO <sub>2</sub> emissions: city / highway / combined, g/km ( <i>g/mile</i> )	309 / 168 / 221 (497.29 / 270.37 / 355.67)
Idling / drive-past exterior noise level in dB (A)	100 / 73
<b>Servicing / guarantee (Germany)</b>	
Oil change every ... km ( <i>miles</i> ) / inspection every ... km ( <i>miles</i> )	According to service indicator up to 30,000 (18,641) (max. 2 years) <sup>1)</sup>
Vehicle / paint / rust perforation guarantee	2 years with unlimited mileage / 3 years / 12 years
Insurance classification in Germany	16 / N22 / N25
<b>Weights / loads</b>	
Unladen weight in kg / gross weight limit in kg ( <i>pounds</i> )	1510 / 1830 (3328.98 / 4034.46)
Axle load limit at front / rear in kg ( <i>pounds</i> )	1040 / 870 (2292.81 / 1918.02)
Trunk lid load limit in kg ( <i>pounds</i> )	20 (44.09)
<b>Capacities</b>	
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)
<b>Body / dimensions<sup>2)</sup></b>	
Body type	Audi Space Frame ASF
Number of doors / seats	2 / 2
Drag coefficient Cd / frontal area A in m <sup>2</sup> ( <i>square feet</i> )	0.34 / 2.09 (22.5)
Length (L103) / width excluding mirrors (W103) / height (H101-M), mm ( <i>feet</i> )	4198 / 1842 / 1348 (13.77 / 6.04 / 4.42)
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> )	778 (2.55)
Luggage capacity in liters ( <i>cubic feet</i> ), according to VDA block method V210-2 (V211-2)	250 (8.83)

1) depends on driving style and operating conditions 2) details of dimensions with unladen vehicle weight