

Technical Data – Audi TT RS Roadster 2.5 TFSI

Program for Germany

Status: July 2016

Engine / electronics	
Engine type	inline five-cylinder spark-ignition engine with gasoline direct injection, exhaust turbocharger with intercooler (maximum boost pressure is 2.35 bar absolute), four valves per cylinder, double overhead camshaft (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	294 (400) / 5850 - 7000
Max. torque in Nm (lb-ft) / at rpm	480 (354.0) / 1700 - 5850
Mixture preparation	MED 17.1.62
Exhaust emission control	dual-branch exhaust system with one close-coupled primary catalytic converter, one LSU upstream of primary cat, one LSF downstream of primary cat, continuous lambda control
Emissions class	EU6
Alternator in A / battery in A/Ah	140 (recuperation capability) / 420 / 75
Start-stop system	switches the engine off if the vehicle is stationary and the brake is engaged
Drivetrain / transmission	
Drive type	quattro permanent all-wheel drive with electronically controlled multi-plate clutch, Electronic Differential Lock (EDL)
Clutch	dual-clutch made up of two wet multidisk clutches
Transmission type	7-speed S tronic direct-shift transmission
Gear ratio in 1st gear / 2nd gear	3.563 / 2.526
Gear ratio in 3rd gear / 4th gear	1.679 / 1.022
Gear ratio in 5th gear / 6th gear	0.788 / 0.761
Gear ratio in 7th gear / 8th gear	0.635
Reverse gear / final drive ratio	2.789/ I: 4.059 for 1st, 4th, 5th + reverse, II: 3.450 for 2nd, 3rd, 6th + 7th
Suspension / steering / brakes	
Front suspension	MacPherson struts with forged aluminum lower wishbones, aluminum pivot bearings, aluminum subframe, tubular anti-roll bar, track-stabilizing steering roll radius
Rear suspension	four-link rear suspension with separate spring/shock absorber arrangement, subframe, aluminum wheel carriers, tubular anti-roll bar
Steering / steering ratio / turning circle in m (D102) (ft)	electromechanical progressive steering with speed-dependent power assistance / 14.6 / 10.96 (36.0)
Brake system	dual-circuit brake system with diagonal split, Electronic Stabilization Control (ESC), hydraulic brake assist, disk brakes (370 x 34 mm [14.6 in x 1.3 in]) at front, round, perforated, ventilated, ceramic disk optional; monobloc disk at rear (310 x 22 mm [12.2 in x 0.9 in]); brake system: 19-inch with 8-piston fixed caliper / 17-inch with single-piston floating caliper
Wheels / tires (basic)	245/35 R19 on 9.0 J x 19
Performance / fuel / acoustics	
Top speed in km/h (mph)	250 (155.3), optionally 280 (174.0)
Acceleration, 0-100 km/h (0-62.1 mph) in s	3.9
Fuel type / octane value	Super Plus sulfur-free 98 RON according to EN 228 / 98 RON
Idling / drive-past exterior noise level in dB (A)	90 / 74
Fuel consumption / emissions (according to tire size)	
Tire category 1	245/35 R19
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	11.3 (20.8) / 6.5 (36.2) / 8.3 (28.3)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	259 (416.8) / 149 (239.8) / 189 (304.2)
Tire category 2	255/30 ZR20
Fuel consumption: city / highway / combined, in l/100 km (US mpg)	11.4 (20.6) / 6.8 (34.6) / 8.5 (27.7)
CO ₂ mass emission city / highway / combined, in g/km (g/mi)	262 (421.6) / 154 (247.8) / 194 (312.2)
Servicing / guarantee (Germany)	
Service inspection after max. km (mi)	according to service indicator up to 30,000 km (18,641.1) (max. 2 years)
Vehicle / paint / rust perforation guarantee	2 years / 6 years / 12 years
Insurance classification in Germany: third party / fully comprehensive / part-comprehensive	14 / 27 / 25
Weights / loads	
Unladen weight according to EU (excluding driver) / (including driver) / gross weight limit in kg (lb)	1530 (3373.1) / 1605 (3538.4) / 1850 (4078.6)
Axle load limit at front / rear in kg (lb)	1070 (2358.9) / 860 (1896.0)
Trailer load limit on 8% / 12% gradient, braked / unbraked in kg (lb)	- / - / -
Roof load limit / permissible nose weight in kg (lb)	- / -
Capacities	
Cooling system capacity (incl. heating) in l (US gal)	9.1 (2.4)
Engine oil capacity (including filter) in l (US qt)	7.1 (7.5)
Fuel tank capacity in l (US gal)	55 (14.5)
Body / dimensions	
Body type / number of doors / seats	Audi Space Frame (ASF) in hybrid construction / 2 / 2
Drag coefficient Cd / frontal area A in m ² (sq ft)	0.33 / 2.09 (22.5)
Length (L103) / width excluding mirrors (W103) / height (H101-M) in mm (ft)	4191 (13.7) / 1832 (6.0) / 1345 (4.4)
Wheelbase (L101) / track at front/rear (W101-1/W101-2) in mm (ft)	2505 (8.2) / 1564 (5.13) / 1543 (5.06)
Height of loading lip (H196) in mm (ft)	803 (2.6)
Luggage capacity / with rear seat bench folded in l (cu ft)	280 (9.9) / -