

2006 Audi TT Roadster 1.8T
 Technical Specifications

Technical Specifications		2006 TT Roadster 1.8T	
ENGINE:			
Type	Four cylinder inline, turbocharged, charge air intercooling (180 and 225 hp) , six-cylinder spark-ignition DOHC (250 hp)		
Arrangement	Front mounted, transverse		
	180 hp version		225 hp version
Bore	3.18 in.	81 mm	3.18 in. 81 mm
Stroke	3.40 in.	86.4 mm	3.40 in. 86.4 mm
Displacement	109 cu. in.	1781 cc	109 cu. in. 1781 cc
Compression ratio	9.5:1		9.0:1
Fuel requirement	Premium unleaded (91 AKI) recommended for maximum performance		
Horsepower (SAE)	180 hp @ 5500 rpm		225 hp @ 5900 rpm
Max. Torque	173 lbs. ft. @ 1950 - 4700 rpm		207 lbs. ft. @ 2200-5500 rpm
Max. Turbo boost	1.8 bar		2.1 bar
ENGINE DESIGN:			
Cylinder block	Cast iron		
Crankshaft	Forged steel, 5 main bearings		
Cylinder head	Aluminum alloy		
Valve train / intake	DOHC, belt driven, hydraulic lifters		
Firing order	1-3-4-2 (180 and 225 hp models)		
Cooling system	Water-cooled, thermostatically controlled radiator fan		
Lubrication system	Gear pump, pressurized, full flow with oil cooler		
Fuel injection / Ignition system	ME 7.5 Motronic with electronic multi-point sequential fuel injection, hot film air mass sensor, solid state direct ignition with multiple coils, dual knock sensors with cylinder selective knock control, electronic throttle operation and fully adaptive controls		
Emission system	3-way catalytic converter with dual oxygen sensors		
ELECTRICAL SYSTEM:			
Battery	12 volts	60 amp/hr	
Alternator	14 volts	120 amp	
DRIVETRAIN:			
Transmission	6-speed automatic (180 HP) with Tiptronic/6-speed manual (225 HP) with synchronized reverse, dual mass flywheel with hydraulic clutch		
Type	180 hp FWD		225 hp quattro
	Automatic		Manual
Gear ratios: 1st	4.044		3.417
2nd	2.371		2.105
3rd	1.556		1.429
4th	1.159		1.088
5th	0.852		1.097
6th	0.676		0.912
Reverse	3.193		4.107
Final Drive front / rear	6.010		3.316 / 4.200
Front Differential	Hypoid gear, electronically locking (EDL)		
Center Differential	Haldex electronically controlled multi-plate coupling automatic and variable front to rear power proportioning		
Rear Differential	Hypoid gear		
STEERING:			
Type	Rack and pinion, variable power assist		
Ratio	15.6:1		
Turns (lock-to-lock)	2.8		
Turning circle (curb-to-curb)	34.2 ft.	10.45 m	
SUSPENSION:			
Front	MacPherson strut (gas charged) with 3-point lower control arm, directly coupled stabilizer, negative steering roll radius		
Rear (fwd)	Torsion-beam axle with trailing arms, stabilizer bar, separate coil spring and shock absorbers (gas charged), toe correcting axle bushings		
Rear (quattro)	Longitudinal double wishbone subframe, anti-roll bar, gas-filled shock absorbers		

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Technical Specifications (continued)				2006 TT Roadster			
BRAKES:							
Service brake	Anti-lock brake system, vacuum power assist, with asbestos free linings, dual diagonal circuits, and electronic rear brake pressure proportioning						
	180 hp FWD version			225 hp quattro version			
Front, size and type	12.3 in.	312 mm	- Vent. disc	12.3 in.	312 mm	- Vent. disc	
Rear, size and type	9.1 in.	232 mm	- Vent. disc	10.0 in.	256 mm	- Vent. disc	
Parking brake	Mechanically actuated at the rear wheels						
WHEELS (standard only):							
Size	7.5J x 17 cast aluminum, six spoke design						
TIRES (standard only):							
Size	225 / 45 R 17 Y summer performance radial						
BODY:							
Material	Fully galvanized (both sides) steel, aluminum hood						
Corrosion protection	Multi-step anti-corrosion protection			Cw = 0.36 frontal area = 1.99 m ²			
CAPACITIES:							
	Front wheel drive (180 hp)			quattro (225 hp)			
Engine oil	4.8 qt.	4.5 liter		4.8 qt.	4.5 liter		
Fuel tank	14.5 gal.	55 liter		16.3 gal.	62 liter		
Cooling system	7.4 qt.	7 liter		7.4 qt.	7 liter		
EXTERIOR DIMENSIONS:							
	Front wheel drive (180 hp)			quattro (225 hp)			
Wheelbase	95.4 in.	2422 mm		95.6 in.	2429 mm		
Track: front / rear	60 / 59.6 in.	1525 / 1513 mm		60 / 59.3 in.	1525 / 1507 mm		
Overall length	159.1 in.	4041 mm		159.1 in.	4041 mm		
Overall width	73.1 in.	1856 mm	(includes mirrors)	73.1 in.	1856 mm	(includes mirrors)	
Height	53 in.	1346 mm		53 in.	1346 mm		
Ground clearance	4.4 in.	113 mm		4.4 in.	113 mm		
Curb weight	3186 lbs.	1445 kg		3384 lbs.	1535 kg		
Distribution % front / rear	61 / 39			58 / 42			
INTERIOR DIMENSIONS:							
Seating Capacity	2						
EPA class	Two seater						
Head room	38.3 in.	972 mm					
Shoulder room	55.6 in.	1412 mm					
Leg room	41.2 in.	1047 mm					
Int. vol. (EPA)	N/A						
Luggage capacity (EPA)	7.8 cu. ft.	220 Liter	(FWD version)	6.4 cu. ft.	180 Liter	(quattro version)	
PERFORMANCE:							
	180 hp FWD			225 hp quattro			
	automatic			manual			
0-60 mph	8.1 sec.			6.2 sec.			
1/4 mile	16.0 sec.			14.6 sec.			
Top speed - 180 hp version	Electronically limited to 130 mph (209 km/h) for North America						
Top speed - 225 hp version	Electronically limited to 130 mph (209 km/h) for North America						
FUEL ECONOMY: EPA estimate							
	180 hp FWD			225 hp quattro			
City	20 mpg			20 mpg			
Highway	29 mpg			29 mpg			
Combined	23 mpg			23 mpg			
FUEL ECONOMY: Canadian estimate							
	180 hp FWD			225 hp quattro			
City	18 mpg			18 mpg			
Highway	26 mpg			26 mpg			
Combined	21 mpg			21 mpg			