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## **911 GT3 Cup**

**Model Year 2005**

### **Vehicle Description / Technical Specifications**

**(996)**

#### Concept:

- single-seated, near-standard race vehicle
- in accordance with the 2005 Porsche Manufacturer's Cup Regulations
- basis: 911 GT3

#### Engine:

- water cooled flat six-cylinder boxer engine
- 3,598 cc, stroke 76.4 mm, bore 100 mm diameter
- max. torque: 390 Nm at 6,300 rpm
- max. power: 287 kW (390 BHP) at 7,300 rpm
- max. rpm: 8,000 rpm
- four valves per cylinder
- dry-sump lubrication with external oil tank
- two-stage resonance intake manifold, central inlet air duct
- electronic engine management system MS 3.1
- sequential multi-point fuel injection
- required fuel quality: 98 octane ROZ, unleaded
- race exhaust system with lambda-probe-equipped catalytic converter
- exhaust muffler with twin-branch center tailpipe

#### Power Train:

- six-speed manual transmission
- gear ratios

ring & pinion gear 8/32

1<sup>st</sup> gear 13/41

2<sup>nd</sup> gear 20/40

3<sup>rd</sup> gear 25/39

4<sup>th</sup> gear 26/34

5<sup>th</sup> gear 32/35

6<sup>th</sup> gear 34/31

- oil-water heat exchanger integrated into engine cooling system
- splash oil lubrication
- single-mass flywheel with single-disc race clutch
- limited slip differential 40/60 percent
- rear-wheel drive



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### Bodywork:

- 911 chassis
- carbon fiber rear lid with adjustable rear wing
- carbon fiber doors with window frame and new rearview mirrors
- ventilated passenger compartment through rear side-windows
- welded-in roll cage according to FIA regulations appendix J, Art. 253.8
- three-point air jack system
- aerodynamically optimized front nose and front spoiler edge
- new rear bumper (carbon fiber, similar to 911 GT3 RSR)
- aerodynamically optimized side sills
- adjustable rear wing
- racing bucket seat (driver side only) with fire retardant upholstery
- six-point seat belt, prepared for using HANS Safety System
- removable steering wheel with quick-release coupling
- fire extinguishing system
- 89 liter fuel tank

### Suspension:

- front axle with McPherson struts and adjustable camber
- Sachs gas pressure shock absorbers with adjustable compression and rebound stage
- front roll bar, adjustable in five different positions
- power steering
- multilink rear suspension with solidly suspended axle brackets
- Sachs gas pressure shock absorbers with adjustable compression and rebound stage
- reinforced, continuously variable adjustable rear axle track rods
- rear roll bar, adjustable in four different positions
- double coil springs in front and rear with race setup for 911 GT3 Cup
- suspension continuously variable adjustable (heights, camber, track)

### Brake System:

- vacuum reinforced brake system
- ABS, modified to race conditions
- front and rear internally vented cross drilled discs calipers
- front six-piston fixed calipers, disc diameter: 350 mm, race brake pads
- rear four-piston fixed brake caliper, disc diameter: 330 mm, race brake pads



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Rims/Tires:

Front axle:

- three-piece BBS light aluminum rims (9J x 18), rim offset 46 with central locking wheel nuts
- Michelin rain tires (24/64-18)

Rear axle:

- three-piece BBS light aluminum rims (11J x 18), rim offset 59 with central locking wheel nuts
- Michelin rain tires (27/68-18)

Vehicle Weight:

Approx. 1,150 kg

Color:

Exterior (water-based paint): Carrara white B9A

Conformity with Regulations:

Each customer is responsible for his car to fully comply with the respective regulations.

The vehicles will be delivered in their basic version being in accordance with the 2005 Porsche Manufacturer's Cup Regulations.

**All data provided by Porsche AG as of July 2004 and subject to change without notice. All previously published technical data are no longer valid.**

**\*\*\*Vehicle cannot be registered for public road use\*\*\***