

# 911 GT3 Cup

## Model Year 2010

### Vehicle Description

- Concept:**
- Single-seated, near-standard race vehicle
  - Based on the 911 GT3 RS II. Generation
- Engine:**
- Aspirated engine
  - Water cooled flat six-cylinder boxer engine with four valves per cylinder
  - 3,797 cc; stroke 76.4 mm; bore 102.7 mm diameter
  - Max. power: 331 kW (450 hp) at 7,500 rpm
  - Max. rpm: 8,500 rpm
  - Required fuel quality: 98 octane ROZ, unleaded
  - Dry-sump lubrication
  - Sequential multi-point fuel injection
  - Electronic engine management MS3.1 by Bosch
  - Four-stage resonance intake manifold
  - Race exhaust system with regulated race catalytic converter
  - Twin-branched muffler with centered exhaust pipes
  - Standard specifications of the car without front mufflers
- Power Train:**
- Six-speed sequential dog-type gearbox (G97/63) with active oil cooling and pressure-oil lubrication
  - Gear ratios:
 

Ring & pinion gear	8/32	i = 4,000
gear	12/3	i = 3.167
2 <sup>nd</sup> gear	15/32	i = 2.133
3 <sup>rd</sup> gear	18/31	i = 1.722
4 <sup>th</sup> gear	23/31	i = 1.348
5 <sup>th</sup> gear	26/29	i = 1.115
6 <sup>th</sup> gear	29/27	i = 0.931
  - Limited slip differential 37% / 52%
  - Single-mass flywheel
  - Race clutch (5½" triple-disc sintered-metal clutch)
  - Hydraulic clutch centre-release mechanism
  - Oil-water heat exchanger

**Bodywork:**

- Weight optimized, widened body shell based on 911 GT3 RS II. generation
- Enlarged rear wheelhouses for tyre sizes of 690 mm diameter
- Aerodynamically optimised front splitter
- Optimized ventilation for drivers through air inlet in front bonnet
- CfC doors with window frame and plastic rear-view mirrors
- CfC rear lid with integrated third brake light
- CfC rear wing adjustable
- Synthetic rear centre compartment
- Modified, synthetic rear body panels
- Polycarbonate rear window, rear side windows and door windows
- Build-in air jack system
- Welded-in roll cage according to DMSB regulations
- Racing seat (driver side only) with fire retardant upholstery
- Six-point seat belt, optimized for use with HANS
- Removable steering wheel with quick-release coupling
- Electric fire extinguishing system with electronical release device
- 90 litre fuel tank, returnless fuel with 5 bar fuel-pressure regulator

**Suspension:**

**Front axle:**

- McPherson strut-type axle, height-adjustable
- Front axle wheel suspension with twin-clamp system
- Double coil springs with race setup (main spring and helper spring)
- Sachs gas pressure shock absorbers
- Front axle control arm with six-point-suspension
- Two-piece lower control arms for camber adjustment
- Longitudinal control arm
- Double-blade-type anti-roll bar, seven setting options per side
- Forged supporting mounts with Unibal
- Reinforced, continuously variable rear axle track rod
- Power steering with electro-hydraulic pressure feed
- Modified steering-column assembly (adjustable in height and length)

**Rear axle:**

- Multilink rear suspension with solidly mounted subframe
- Suspension struts height-adjustable
- Modified wheel suspension
- Double coil springs with race setup (main spring and helper spring)
- Sachs gas pressure shock absorbers
- Modified axle side parts
- Two-piece lower control arms for camber adjustment
- Unibal - suspended control arm (top)
- Longitudinal control arm
- Double-blade-type anti-roll bar, seven setting options per side
- Reinforced, continuously variable rear axle track rod

**Brake System:** 2 independent brake circuits, adjustable via break balance system and 2 master brake cylinders

**Front axle:**

- Aluminium six-piston calipers, in red
- Steel brake discs (compound molding) internally vented, 380 mm diameter
- Special race brake pads without wear indicator (P50)
- Optimized ventilation routing

**Rear axle:**

- Aluminium four-piston calipers, in red
- Steel brake discs (compound molding) internally vented, 355 mm diameter
- Special race brake pads without wear indicator (P50)
- Optimized ventilation routing

**Rims/Tyres:**

**Front axle:**

- Three-piece BBS centre-lock aluminium rims 9,5J x 18 ET 37
- Michelin rain tyres, size 24/64-18

**Rear axle:**

- Three-piece BBS centre-lock aluminium rims 12J x 18 ET 30
- Michelin rain tyres, size 27/68-18

**Electrics:**

- Motec Dashboard ADL2 with integrated data recording, 1 MB main memory
- Battery: 12 V, 50 Ah
- Generator 150 A
- Error detection
- H7 main headlight and daytime running light
- Rear lights in LED-technology

**Options:**

- Bosch MSA - Box (on request)
- Electronical oil-level display (on request)
- Motec upgrade to 4 MB main memory, brake-pressure sensors and steering-angle sensor (to be ordered via Motec)

**Vehicle Weight:** Approx. 1,200 kg (steel brake disc and without front muffler)

- Colours:**
- Water-based paint
  - Exterior: carrara white B9A
  - Interior: white filler-coat, no clear-coat finish

**Vehicle Price:** On request

**Deposit:** Due upon order

**Vehicle Order:** Porsche Asia Pacific Pte Ltd  
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**Conformity with Regulations:** The vehicles will be delivered in their basic version being in accordance with the 2010 Porsche Manufacturer's Regulations.

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

All previously published technical data and prices are no longer valid.

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

All data subject to change without prior notice.