



PORSCHE

## 911 GT3 Cup

### Vehicle Description

Model Year 2012

#### Concept:

- Single-seated, near-standard race vehicle
- Based on the 911 GT3 RS II. Generation

#### Engine:

- Normally 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 MS 3.1 by Bosch
- Race exhaust system with regulated race catalytic converter
- Twin-branched muffler with centred exhaust pipes

#### Transmission:

- Six-speed sequential dog-type gearbox with active oil cooling and pressure-oil lubrication
- Gear ratios
  - Ring & pinion gear 8/32  $i = 4.000$
  - 1st gear 12/38  $i = 3.167$
  - 2nd gear 15/32  $i = 2.133$
  - 3rd gear 18/31  $i = 1.722$
  - 4th gear 20/28  $i = 1.400$
  - 5th gear 23/26  $i = 1.130$
  - 6th gear 29/27  $i = 0.931$
- Limited slip differential 37% drive / 52% overrun
- Single-mass flywheel
- Race clutch (5½" triple-disc sintered-metal clutch)
- Hydraulic clutch centre-release mechanism
- Oil-water heat exchanger



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**Bodywork:**

- Weight optimised, widened body shell based on 911 GT3 RS II. generation
- Enlarged rear wheelhouses for tyre sizes of 690 mm diameter
- Aerodynamically optimised front splitter
- Additional cockpit ventilation through air inlet in front bonnet
- CfC doors with window frame and synthetic rear-view mirrors
- CfC rear lid with integrated rain light
- CfC rear wing adjustable
- Synthetic rear centre compartment
- Modified, synthetic rear body panels
- Polycarbonate rear window, rear side windows and door windows
- Built-in air jack system with safety pressure valve
- Welded-in roll cage according to DMSB regulations
- Race bucket seat (driver side only) with fire retardant upholstery
- Six-point seat belt, optimised for use with HANS
- Multifunctional steering wheel with quick-release coupling
- Fire extinguishing system with electrical release device
- 100 litre fuel cell (FT3 safety fuel cell), 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 adjustable 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
- Wheel suspension with optimised wheel hub
- 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 adjustable track rod



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**Brake System:**

2 independent brake circuits, adjustable via break balance system and 2 master brake cylinders

**Front axle:**

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

**Rear axle:**

- Aluminium four-piston callipers, in red
- Steel brake discs (grey cast iron) internally vented, 350 mm diameter
- Special race brake pads without wear indicator (P50)
- Optimised ventilation routing

**Rims/Tyres:**

**Front axle:**

- Centre-lock aluminium rims 9,5J x 18 ET 37
- Michelin rain tyres, size 24/64-18

**Rear axle:**

- Centre-lock aluminium rims 12J x 18 ET 30
- Michelin rain tyres, size 30/68-18

**Electrics:**

- Motec Dashboard ADL2 with integrated data recording, 1 MB main memory
- Battery: 12 V, 50 Ah
- Alternator 90 A
- Error detection
- H7 main headlight and daytime running light
- Rear lights in LED-technology

**Options:**

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

**Market variants:**

- Front muffler
- Porsche Ceramic Composite Brake



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**Vehicle Weight:** Approx. 1,200 kg (with steel brake discs, 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:** Dr. Ing. h.c. F. Porsche Aktiengesellschaft  
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**Conformity with Regulations:** The vehicles will be delivered in their basic version being in accordance with the 2012 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.

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