



Porsche 911 GT3 R (Type 991)
Model Year 2016 – Vehicle Description

Concept:

- Single-seat customer racecar
- Basis: 991 GT3 RS

Engine:

- Water cooled six-cylinder Boxer engine (rear mounted)
- 4,000 cm³; stroke 81.5 mm; bore 102 mm
- Power: Subject to FIA BoP classification (air restrictor)
- Single mass flywheel
- Four-valve technology
- Direct fuel injection
- Fuel quality: Super Plus lead free to E20 (minimum 98 octane)
- Dry sump lubrication
- Engine control unit (ECU) BOSCH MS 6.4 with integrated data acquisition (basic memory 1GB, max. 100 freely selectable channels, sample rate 50hz)
- Race exhaust system (motorsport catalyst and country-specific pre-silencer available)
- Rear silencer with twin tailpipes mounted centrally
- Two electronically activated throttles



Transmission:

- Porsche six-speed constant-mesh gearbox (sequential)
- Gear ratios (FIA homologated, other ratios available on request):
 - CWP 14/22 $i = 1.571$
 - Final drive 17/41 $i = 2.412$
 - 1st gear 13/41 $i = 3.154$
 - 2nd gear 17/39 $i = 2.294$
 - 3rd gear 20/37 $i = 1.850$
 - 4th gear 19/29 $i = 1.526$
 - 5th gear 24/31 $i = 1.292$
 - 6th gear 31/34 $i = 1.097$
- Internal pressurized oil lubrication with active oil cooling by oil/water heat exchanger
- Mechanical limited slip differential
- Motorsport clutch (carbon)
- Pneumatic gear shift activation (paddle shift)



Bodyshell:

- Lightweight body featuring intelligent aluminum-steel composite design
- Integrated (welded) roll-cage (according to FIA Appendix J)
- Front cover with two air intake ducts for cockpit ventilation, quick release fasteners
- Removable escape hatch in roof in accordance with latest FIA safety regulations
- Pickup point for lifting device (identical to DTM system)
- Lightweight design exterior panels:
 - CFRP doors with sport design mirrors
 - CFRP rear cover with quick release fasteners
 - CFRP adjustable rear wing
 - CFRP front extended wheel arches and louvres
 - CFRP front fairing with cooling-air ducting and spoiler lip
 - CFRP rear fairing with integrated rain light in accordance with FIA regulations
 - Polycarbonate front, rear and side screens
 - Removable polycarbonate door windows in accordance with latest FIA safety regulations
- Rear underfloor with air ducting for brake and driveshaft cooling
- Modified 911 cockpit:
 - Ergonomic center console aligned towards driver for ease of operation
 - Switch covers with fluorescent labelling
 - Steering wheel with quick release coupling, switch panel and shift paddles
- Racing bucket seat with fore/aft adjustment in accordance with FIA standard 8862/2009:
 - Adjustable padding system to suit individual drivers (delivery with size M)
- Six-point safety harness
- FT3 safety fuel cell (approx. 120 liter) with fuel cut off safety valve in accordance with FIA regulations
- Air jack system (four jacks)

Suspension:

Front axle:

- McPherson strut, adjustable in height (ride-height), camber and toe
- Fabricated steel control arms:
 - Stiffness optimized
 - High-performance spherical bearings
- Wheel hubs with center lock wheel nuts
- Adjustable motorsport dampers
- Machined aluminum top mount with camber adjustment
- Adjustable anti-roll bar blades (left & right)
- Power assisted steering with electrohydraulic pressure feed

Rear axle:

- Multilink independent rear suspension, adjustable in height (ride-height), camber, toe
- Machined aluminum control arms:
 - Stiffness optimized
 - High-performance spherical bearings
- Wheel hubs with center lock wheel nuts
- Adjustable motorsport dampers
- Machined aluminum mounts
- Adjustable anti-roll bar blades (left & right)

Brake system:

Two separate brake-circuits for front and rear axles. Adjustable by driver via brake balance bar system

Front axle:

- Six-piston aluminum-monobloc racing brake caliper
- Ventilated and grooved steel brake disc D = 380 mm, aluminum disc bell
- Motorsport brake pads
- Optimized brake cooling ducts

Rear axle:

- Four-piston aluminum-monobloc racing brake caliper
- Ventilated and grooved steel brake disc D = 372 mm, aluminum disc bell
- Motorsport brake pads
- Optimized brake cooling ducts

Wheels/tires:

Front axle:

- One piece BBS alloy wheels according to Porsche specification and design, 12.0 x 18 offset 17
- Michelin transport tires, tire dimensions: 300/650-18

Rear axle:

- One piece BBS alloy wheels according to Porsche specification and design, 13.0 x 18 offset 37.5
- Michelin transport tires, tire dimensions: 310/710-18



Electric:

- COSWORTH color display ICD (basic memory 512MB, extendable)
- COSWORTH power module IPS32
- Race ABS
- Traction control
- Fire extinguisher system (agent: gas)
- Battery 12 V, 70 Ah (AGM), leak proof, mounted in passenger foot well
- 180 A alternator
- Windscreen wiper with direct drive
- Lighting system:
 - Xenon main headlights
 - LED technology taillights and rain light

Options:

Endurance kit:

- 4x Xenon extra headlights in front fairing
- Engine oil quick refill

PAG options:

- COSWORTH ICD memory expansion (1024MB memory)
- Mini IPS (expansion connections for high-current consumers)
- BOSCH MS 6.4
 - Option 1: channel expansion for internal data acquisition to maximum 720 freely selectable channels, highest resolution data sample rate 1000Hz
 - Option 2: data copy from data acquisition from internal memory onto an external USB stick
- Country-specific race catalyst
- Illuminated start number panels
- TPMS System
- Cockpit illumination



Weight/dimensions:

- Total weight: approx. 1,220 kg (subject to BoP)
- Overall length: 4,604 mm
- Overall width front axle: 1,975 mm
- Overall width rear axle: 2,002 mm
- Wheelbase: 2,463 mm

Color:

- Body painted with water-soluble paint (white C9A)
- Interior: white primer with clear-coat finish
- Body parts in plain carbon (front & rear fairings, front cover, rear cover, doors, wheel arches, rear wing)

Car prices: 429.000,00 EUR
(plus VAT, ex works)

Deposit: 150.000,00 EUR

Delivery: December 2015

Orders: With immediate effect

Dr. Ing. h.c. F. Porsche Aktiengesellschaft
Mr. Uwe Brettel
Porschestraße 911
71287 Weissach
Tel +49 711/911 – 88411

Technical support: Dr. Ing. h.c. F. Porsche Aktiengesellschaft
Mr. Rainer Sauter
Porschestraße 911
71287 Weissach
Tel +49 711/911 – 83284
Fax +49711/911 – 89535

Compliance with regulations: The basic car is homologated in accordance with the FIA GT3 regulations. Validity of the homologation is applied for 01.01.2016.

Every customer is solely responsible for their car complying with the relevant regulations.

This document replaces all previously published versions.

The car is not approved for road use.

Subject to change (without notice).