



MOSLER Challenge



MOSLER GT3 TECHNICAL SPECIFICATIONS 2008

General

- Mosler MT900S road car modified to Mosler Challenge regulations (not road-legal).
- Rear/mid mounted longitudinal V8 engine with 6 speed rear transaxle and rear wheel drive.
- Standard Mosler MT900S components unless otherwise stated.

Engine

- Mosler modified GT3 Spec GM LS7 7 litre V8 engine mapped for 98 octane unleaded fuel .
- LS7 dry sump system modified to Mosler GT3 application.
- **Motec engine management system.**
- Motorsport throttle body.
- **Motorsport engine wiring loom.**
- Stainless steel 4-1 headers, exhaust manifolds with straight through rear exit exhausts and silencers.
- Race spec cooling system (front-mounted water radiator and side mounted engine and transmission oil coolers).
- Power output 388 kw (570 bhp) @ 5900 rpm.
- Torque output 684 Nm (540 lbf.ft) @ 4800 rpm.
- Max engine rpm 6800.

Transmission

- Hewland NLT transaxle.
- 6 speed sequential with GT3 fixed ratios.
- Race spec triple plate clutch.
- **Flat shift gear change system.**
- **Optional traction control.**
- **Optional Paddle Gear Shift System.**

NOTE

Challenge Car : Parts marked yellow will be replaced with less expensive components or removed. It is intended that the Challenge car is a lower cost route to the Mosler Challenge, and GT racing in general, with similar pace but without the 24 Hour capabilities of the GT3 car. Variations in specifications will be considered by Mosler to allow teams to work to their budgets and available parts if required. It is expected that all cars will be GT specification within 2 years.

Chassis

- Standard Mosler MT900S carbon composite monocoque with steel tube front and rear subframes.
- Integral bolted and bonded steel roll cage to FIA safety standards.
- ATL 100 litre fuel cell.
- **AP racing pneumatic jack system.**

Brakes

- AP 6-piston front callipers.
- AP 4-piston rear callipers.
- AP 378 mm ventilated front disc.
- AP 355 mm ventilated rear disc.
- Manually adjustable front / rear brake bias.
- Front and rear upright carbon brake ducts.

Suspension

- **Dynamics DSSV dampers with 4-way bump and rebound adjustment.**
- **Rose jointed independent double wishbone front and rear.**
- **Machined billet aluminium uprights.**
- **Central wheel locking system.**
- Front and rear adjustable anti-roll bars.

Wheels

- BBS 3 piece aluminium.
- Front 18" rim 12.5" wide.
- Rear 18" rim 13" wide.

Tyres

- Dunlop.
- Front 30/65-R18.
- Rear 31/71-R18 .

Bodywork

- **Carbon kevlar® composite body panels.**
- **Polycarbonate side windows.**
- Carbon composite standard doors.
- Front splitter and diffuser.
- Front dive vanes.
- Adjustable composite rear wing.
- Composite rear diffuser.

Interior

- **Motec back lighted dash and data acquisition system.**
- Data upgrades optional.
- Sparco race seat, adjustable position.
- 6-point race harness.
- Race steering wheel with quick release.
- **Electric adjustable power steering.**
- Tilton racing pedal box.
- **Lifeline 6 point fire gas discharge**
- extinguisher system.
- **Light weight motorsport wiring harness.**
- Optional driver air conditioning system.

Dimensions

- Length: 4900 mm
- Width: 1995 mm
- Wheelbase: 2769 mm
- Height: 1041 mm
- Dry weight: 1180 kg with ballast
- Fuel capacity: 100litrs

GT3 Car 225,000 Euros + vat
Challenge Car 150,000 Euros + vat