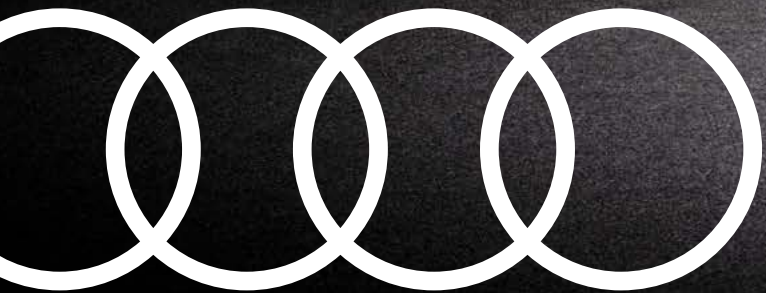


 Audi Sport

# Audi RS 3 LMS

World premiere 2021



# TCR touring cars: regulations

## Vehicle type

Touring car according to FIA Group A  
Minimum number of units produced of the corresponding model:  
5,000, assembled in 12 consecutive months

## Body

Minimum length 4.20 meters, maximum width 1.95 meters, 4 or 5 doors

## Engine

Four-stroke gasoline engine,  
one turbocharger  
Displacement 1.75 to 2 liters  
Use of a maximum of one engine and up to  
five turbochargers per sprint season

## Power transmission

Front-wheel drive

## Cost control

Prohibition of telemetry, driving aids, materials such  
as titanium, magnesium, ceramics. Certification of  
homologation frozen for 3 years

## Equal opportunities

Common engine control unit  
Balance of performance by defining engine power output,  
weight, ride height



# TCR racing worldwide

Racing series for TCR models

38

Countries worldwide

31

Continents

5





# Roll of honor up to 2020



Number of races	1,051
Number of starts	3,105
Podium finishes	764
Wins	279
Thereof 24h race wins	5
Second places	252
Third places	233
Driver titles	16
Further titles	38

# Comparison of generations

## Audi RS 3 LMS (2016–2020)

### Premiere

September 29, 2016, Mondial de l'Automobile Paris

### Market launch

Week 50/2016

### First win

January 14, 2017, Dubai 24 Hours, TCR class win

### Production

Győr (H): body

Győr (H): engine

Martorell (E): assembly of race car



## Audi RS 3 LMS (from 2021)

### Premiere

February 5, 2021, Neuburg a. d. Donau

### Market launch

At the end of 2021

### First win

–

### Production

Ingolstadt (D): body

Győr (H): engine

Martorell (E): assembly of race car







# Safety

Audi Sport Protection Seat with highest protection standards

Side impact protection in driver's door

Side impact protection optimized by positioning the seat closer to the centerline of the vehicle

Roof hatch for easier extrication

Optional triangular nets to the right and left of the seat

Front and rear window optionally made of polycarbonate

Steel roll cage

FIA-FT3 safety fuel tank

Fire extinguishing system



# Engine

New-generation Evo 4 of the standard production 2.0 TFSI EA888 engine as a basis for racing

Engine block, cylinder head, crankshaft drive, valve train, injection system, turbocharger unchanged

Cost-effective high-volume technology for several tens of thousands of racing kilometers

Racing-specific cooling systems (water cooler and charge air)

Common TCR engine control unit

Manufacturer-specific application, registered by promoters



# Power transmission

Weight-reduced twin-plate racing clutch

New multi-disc limited-slip differential, locking effect adjustable from the outside

New sequential six-speed transmission with pneumatic actuation, operated by shift paddles







# Cockpit

Ergonomically optimized cockpit

Steering wheel with control panel

Central keypad with twelve functions in the center console

Adjustable pedal box for individual adjustment to the driver's stature

Electrical system specifically for racing

# Suspension

McPherson front axle with highly variable chassis kinematics

Quick adjustment of the camber by shims

Four-link rear axle with bump steer kinematics

Stabilizer bars adjustable in nine ways on front axle and in six ways on rear axle





# Brake system

Hydraulic dual-circuit brake system with mechanically adjustable brake pressure distribution

Internally ventilated brake discs and ventilated brake calipers on the front axle for improved stability and higher performance of the braking system



# Bodyshell

Aerodynamics developed numerically using  
Computational Fluid Dynamics

Close design cooperation with Audi Design Center

Harmonious integration of racing-specific body  
sections into the product design





# Audi Sport customer racing model range



**Audi RS 3 LMS**

**Audi R8 LMS GT4**

**Audi R8 LMS GT2**

**Audi R8 LMS GT3**

**Vehicle**

Touring car according to WSC TCR regulations

Sports car according to SRO GT4

Sports car according to SRO GT2

Sports car according to FIA GT3

**Engine**

2.0-liter four cylinder engine, output 250 kW (340 hp)

5.2-liter V10 engine, output up to 364 kW (495 hp)

5.2-liter V10 engine, output 470 kW (640 hp)

5.2-liter V10 engine, output up to 430 kW (585 hp)

**Target group**

Entry-level touring car

Entry-level GT racing car

Powerful GT race car with high longitudinal dynamics for gentleman drivers

High performance GT race car for amateur and professional racing drivers

**Market**

13 other competitors

12 other competitors

3 other competitors

11 other competitors

# Contact details

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