

Technical data

Audi R8 LMS

As of: April 2019

| Model | Audi R8 LMS (2019) |
|-----------------------------------|--|
| Vehicle | |
| Vehicle type | Sports car according to FIA GT3 regulations |
| Chassis | Audi Space Frame (ASF) featuring an aluminum CFRP hybrid design with stressed steel roll cage, CFRP and aluminum bolt-on parts |
| Safety concept | Energy-absorbing aluminum and CFRP crash structures front and rear. Safety concept meets FIA LMP1 crash requirements. In-roof rescue hatch |
| Engine | |
| Engine type | V10 engine, 90-degree cylinder angle, four valves per cylinder, DOHC, gasoline direct injection, emission control by two exhaust gas catalytic converters for racing |
| Engine management | Bosch Motorsport Motronic MS6.4 |
| Engine lubrication | Dry sump (adopted from production model) |
| Cubic capacity | 5,200 cc |
| Performance | Variable by means of restrictors up to 430 kW (585 hp)* |
| Torque | More than 550 Nm |
| Drivetrain/transmission | |
| Type of drive | Rear-wheel drive, traction control (ASR) |
| Clutch | Electro-hydraulically operated three-plate racing clutch (ECA) |
| Transmission | Sequential, pneumatically operated six-speed performance transmission with paddle shifters |
| Differential | Limited slip differential, variable preload |
| Drive shafts | Constant-velocity joint shafts |
| Suspension/steering/brakes | |
| Steering | Servo-assisted rack and pinion steering |
| Suspension | Front and rear independent suspension, double wishbones, suspension struts with coil springs and adjustable dampers, and adjustable stabilizers front and rear |
| Brakes | Hydraulic dual-circuit braking system, steel brake discs front (380 x 34 mm) and rear (355 x 32 mm), racing ABS |
| Wheels | Aluminum forged wheels, front 12.5 x 18 inches, rear 13 x 18 inches |
| Tires | Front 30-68/18, rear 31-71/18 |
| Weight/dimensions | |
| Length/width/height | 4,573 mm/1,997 mm/1,171 mm |
| Empty weight | 1,235 kg** |
| Fuel cell capacity | 120 l |
| Equipment | |
| Fire extinguishing system | Audi Sport |
| Controls | Height- and length-adjustable safety steering column, quick-adjustable rail-supported foot lever unit |
| Seating system | Audi Protection Seat PS 3 |

* established by BoP of the series organizers

** homologation weight to be determined at a later date