

Technical data

Audi R8 LMS

As of February 2020

Model	Audi R8 LMS (2020)
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
Bodywork	CFRP and aluminum
Safety concept	Energy-absorbing aluminum and CFRP crash structures front and rear. Safety concept meets FIA LMP1 crash requirements. Rescue hatch in roof
Engine	
Type	90° V10 gasoline engine, longitudinally mounted in front of the rear axle, four valves per cylinder, four double overhead camshafts, gasoline direct injection
Emission control system	One upstream oxygen sensor, one metallic racing catalytic converter per bank
Engine management	Bosch Motorsport Motronic MS6.4
Engine lubrication	Dry sump (adopted from production model)
Cubic capacity	5,200 cc (bore x stroke 84.5 mm x 92.9 mm)
Power output	Variable by means of restrictors up to 430 kW (585 hp) *
Torque	Over 550 Nm
Drivetrain/transmission	
Type of drive	Rear-wheel drive, ASR traction control (twelve-stage)
Clutch	Electrohydraulically operated sintered three-plate racing clutch (ECA)
Transmission	Sequential, pneumatically operated 6-speed performance transmission with paddle shifters
Differential	Mechanical limited slip differential, variable preload
Drive shafts	Constant-velocity joint shafts
Suspension/steering/brakes	
Steering	Servo-assisted rack and pinion steering
Suspension	Double wishbones front and rear, suspension struts with coil springs and two-way gas pressure dampers. Ride height, toe and camber infinitely variable, three-way adjustable stabilizers front and rear
Brakes	Hydraulic dual-circuit braking system, variable brake pressure distribution (front axle/rear axle), steel brake discs front (380 x 34 mm) and rear (355 x 32 mm), racing ABS (twelve-stage)
Wheels	Forged aluminum wheels, Front 12.5" x 18" offset 45.65, rear 13" x 18" offset 43
Tires	Front 30-68/18, rear 31-71/18
Weight/dimensions	
Length/width/height	4.573 mm/1.997 mm/1,171 mm
Wheelbase	2,700 mm
Dry weight acc. to homologation	1,235 kg
Fuel cell capacity	120 l (FT3 safety fuel cell)
Equipment	
Fire extinguishing system	According to FIA Standard 8865-2015
Controls	Height- and length-adjustable safety steering column, multi-functional steering wheel, quick-adjustable pedals mounted on rails
Seat system	Audi Sport Protection Seat PS03 acc. to FIA 8862-2009 with six-point mounting
Refueling system	Krontec RFC-88-TN, optionally Capless system
Air conditioning	Prepared for installation of additional cooling systems
Electrical system	Motorsport electrical system
Price	EUR 398,000 (plus VAT)

* established by BoP of the series organizers