

Technical data

Audi RS 3 LMS

As of: February 2021

Model	Audi RS 3 LMS (2021)
Vehicle	
Vehicle type	Touring car according to TCR regulations
Structure	Reinforced steel body with weld-in steel safety cell
Body	Carbon fiber, sheet steel and aluminum
Safety concept	Energy-absorbing steel crash structures front/rear. Rescue hatch in roof
Engine	
Type	Four-in-line gasoline engine, front-mounted transverse engine, four valves per cylinder, double-overhead camshaft, gasoline direct injection, exhaust gas turbocharger with intercooler
Exhaust emission control system	Oxygen sensor upstream of catalytic converter, steel racing catalytic converter
Engine management	Control ECU by WSC
Engine lubrication	Wet sump
Cubic capacity	1,984 ccm (bore x stroke 82.5 mm x 92.8 mm)
Power output	Upt to 250 kW (340 hp) at 6,250 rpm
Torque	Up to 420 Nm at 2,500 rpm
Drive train/transmission	
Type of drive	Front-wheel drive
Clutch	Sintered twin-plate clutch
Transmission	Sequential 6-speed racing transmission
Differential	Multi-plate limited slip differential, adjustable preloading
Driveshafts	Constant velocity outer joint shafts, tripod inner joints
Suspension/steering/brakes	
Steering	Electric rack and pinion steering with modified soft- and hardware
Front suspension	McPherson struts with lower steel wishbones, aluminum swivel bearing, steel subframe, struts with coil springs and adjustable dampers, infinitely variable ride height, toe and camber, three different stabilizers adjustable in three ways each
Rear suspension	Four-link rear suspension, dampers with coil springs (coil-over configuration), steel subframe, aluminum uprights, infinitely variable ride height, toe and camber, two different stabilizers adjustable in three ways each
Brakes	Hydraulic dual-circuit braking system with adjustable brake pressure distribution (front/rear axle), steel brake discs front (378 x 34 mm) and rear (272 x 12 mm)
Rims	Cast aluminum rims, front and rear 10 x 18 inches offset 26
Tires	27/65 - 18, 260/660 R18
Weight/dimensions	
Length/width/height	4,650 mm/1,950 mm/1,250 mm
Wheelbase	2,665 mm
Dry weight	To be defined by the organizers *
Fuel tank capacity	100 l
Equipment	
Fire extinguishing system	FIA-Standard 8865-2015
Controls	Height- and length-adjustable safety steering column, multi-functional steering wheel, adjustable pedals
Seat system	Audi Sport Protection Seat according to FIA 8862-2009
Refueling system	Production with safety valve
Electrical system	Motorsport electrical system

* Established by BoP of the series organizers