



ASTON MARTIN RACING LMP1

TECHNICAL SPECIFICATION

CHASSIS

Full carbon fibre monocoque
Steel spaceframe engine and gearbox support

CONFIGURATION

Mid-engine rear wheel drive

DIMENSIONS

Length: 4634mm
Width: 1990mm
Wheelbase: 2890mm
Minimum Weight: 900kg

ENGINE

Aston Martin Racing V12 based on the successful GT1 engine derived from the DB9 series production engine
60 degree V12
4 valves per cylinder
Double overhead camshafts
5993 cm³ (Bore 94mm stroke 71.96mm)
Dry sump lubrication
Direct injection
Coil on plug ignition
Individual port throttles controlled by twin fly by wire motors

Power >650 bhp
Torque >750 Nm
Max rpm 7500 rpm

ECU /DATA SYSTEM /DASH

Pi Pectel control systems
Telemetry sends car data directly to engineers but cannot receive data back, unlike F1 cars which can receive data whilst moving

TRANSMISSION

Six speed sequential gearbox transverse mounted behind the engine with a triple plate carbon clutch
Semi-automatic pneumatically actuated shift

BRAKES

Brembo six pot callipers are fitted front and rear
Brake discs are vented carbon 380mm diameter
Pads are carbon operating best at temperatures in excess of 300 degrees centigrade

STEERING

Rack & pinion with electrical power assistance

SUSPENSION

Double wishbone suspension both front and rear with Koni adjustable dampers

WHEELS/TYRES

Forged magnesium BBS wheels
18" diameter x 14" wide at the front
18" diameter x 15" wide at the rear
Michelin tyres

INTERIOR

Driver cockpit air conditioning is fitted to ensure a controlled temperature of 32 degrees centigrade or below
Lifeline provide a fully automated fire extinguisher in accordance with FIA regulations
Custom made Recaro seat

ELECTRICAL

All looms are bespoke and constructed to aerospace/military standards using the Deutsch "Autosport" range of connectors
The wire itself is high grade tinned copper providing extra conductivity



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