

3-3. 2019-2020 TS050 HYBRID Technical Specifications

Type	LMP1-H (Le Mans Prototype - Hybrid)
Bodywork	Carbon fibre composite
Windscreen	Polycarbonate
Gearbox	Transversal with 6 gears, sequential
Gearbox casing	Aluminium
Drive shafts	Constant velocity tripod plunge-joint drive shafts
Clutch	Multidisc
Differential	Mechanical locking type
Suspension	Independent front and rear double wishbone, pushrod-system
Springs	Torsion bars
Anti roll bars	Front and rear
Steering	Hydraulically assisted
Brakes callipers	Dual circuit hydraulic braking system, Mono-block light-alloy brake callipers front and rear
Brake discs	Carbon ventilated front and rear
Wheels	RAYS Magnesium alloy
Front rims	13 x 18 inch
Rear rims	13 x 18 inch
Tyres	Michelin radial
Front tyres	31/71-18
Rear tyres	31/71-18
Length	4650mm
Width	1900mm
Height	1050mm
Fuel capacity	35.2 kg
Powertrain	TOYOTA HYBRID System - Racing (THS-R)
Engine	V6 DI(direct injection) twin-turbo
Engine capacity	2400 cc
Power	368kw / 500PS
Fuel	Petrol
Valves	4 per cylinder
Hybrid power	368kw / 500PS (front and rear combined)
Overall maximum power (engine and hybrid)	735kw / 1000PS
Battery	High-powered lithium-ion battery
Front hybrid motor	AISIN AW
Rear hybrid motor	DENSO