

Technical Data

Audi e-tron FE07

As of: November 2020

Model	Audi e-tron FE07 (2021)
Vehicle	
Vehicle type	Single seater (ABB FIA Formula E)
Monocoque	Spec spark chassis in composite fiber construction made of carbon fiber with aluminum honeycomb core, tested for strict FIA crash and safety standards, front, rear and side crashers from CFRP, front and rear roll bars, additional cockpit protection Halo
Body	Spec Spark carbon body, spec aerodynamics
Motor/battery	
Motor Generator Unit (MGU)	Audi MGU05
Power output practice and qualifying	Max. 250 kW (340 hp)
Power output race	Max. 200 kW (272 hp)
Attack Mode	Max 235 kW (320 hp)
FanBoost	Max. 250 kW (340 hp)
Battery	Rechargeable Energy Storage System (RESS) from McLaren Applied Technologies, approx. 385 kg (wet), lithium-ion cells, usable battery capacity 52 kWh (regulations), charging time approx. 45 minutes
Motor controller	Bosch ECU
Driveline/transmission	
Type of drive	Rear-wheel drive
Transmission	High-efficiency 1-speed racing transmission
Drive shafts	Constant velocity joint shafts
Chassis/steering/brakes	
Steering	Rack-and-pinion steering, removable steering wheel with quick release, digital display, recuperation paddles and FIA marshalling indicators
Suspension	Front and rear independent suspension on lower and upper steel wishbones, pushrod system, front torsion bars, rear spring suspension, two shock absorbers front and rear, adjustable stabilizers front and rear, adjustable ride height, toe and camber, two-wheel retention tethers per wheel
Brakes	Hydraulic dual-circuit brake system, light metal calipers, front and rear carbon fiber brake discs, electronic-control brake force distribution, "Brake-by-Wire" on rear axle
Rims	Aluminum rims, front 9 x 18 inch and rear 11 x 18 inch, minimum weight per wheel front 6 kg, rear 7 kg
Tires	Profiled road-like tires, specially developed for Formula E, Michelin Pilot Sport, front 245/40 R18, rear 305/40 R18
Dimensions/Weight	
Length	5,200 mm
Width	1,800 mm
Height	1,250 mm
Wheelbase	3,100 mm
Minimum weight	903 kg (incl. driver minimum weight 80 kg with seat shell)
Performance	
0-100 km/h	Approx. 2.8 seconds
Top speed	240 km/h