



Technical data ABT Schaeffler FE02

As of: October 2016

Model	ABT Schaeffler FE02 (2016/2017)
Vehicle	
Vehicle type	Single seater (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 rollbars
Body	Spec Spark carbon body Spec front and rear wings
Motor/Battery	
Motor Generator Unit (MGU)	ABT Schaeffler MGU01+
Power output practice and qualifying	200 kW (270 hp)
Power output race	170 kW (231 hp) plus FanBoost
FanBoost	Additional 100 kJ Energy
Battery	Rechargeable Energy Storage System (RESS) from Williams Advanced Engineering, maximum 200 kg, lithium-powered cells from Xalt, battery capacity 34 kWh, of which 28 kWh usable, charging time 45 minutes
Motor controller	McLaren Electronics ECU/CGU with Data Logging System
Driveline/Transmission	
Type of drive	Rear-wheel drive
Transmission	3-speed transmission, via paddle shifts on steering wheel
Drive shafts	Constant velocity joint shafts
Chassis/Steering/Brakes	
Steering	Rack-and-pinion steering, removable steering wheel with quick release, display, shift and rain paddles, 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, adjustable brake force distribution
Rims	Aluminum rims, front 9 x 18 inch and rear 11 x 18, minimum weight per wheel front 7 kg, rear 8 kg
Tires	Profiled road-like tires, specially developed for Formula E, Michelin Pilot Sport EV, front 245/40 R18, rear 305/40 R18
Weight/Dimensions	
Length	5,000 mm
Width	1,790 mm
Height	988 mm
Wheelbase	1,300 mm
Minimum weight	880 kg (incl. driver)
Performance	
0–100 km/h	Approx. 3.5 seconds
Top speed	225 km/h