

All-new 2013 FIAT 500e SPECIFICATIONS

Dimensions are in inches (millimeters) unless otherwise noted.

GENERAL INFORMATION

Vehicle Type: A-segment hatchback

EPA Vehicle Class: Mini-compact

Assembly Plant: Toluca, Mexico

Introduction Date: Second Quarter 2013 as a 2013 model

BODY/CHASSIS

Layout: Front-wheel drive

Construction: Unitized steel body

ELECTRIC MOTOR

Availability: Standard — 500e

Type and Description: BOSCH Germany SMG 180/120 ELEC, Permanent magnetic electric traction with electric-parking pawl

Power: (SAE) 111 bhp (83 kW)

Torque: (SAE) 147 lb.-ft. (200 N•m)

Max. Speed (estimated): 85 mph (137 kph)

Operatation Noise: 68 db(A)

Fuel Economy Label

EPA estimated miles-per-gallon equivalent (MPGe) Fuel Economy Label

City: Greater than 122 MPGe (195 KPGe)

Highway: Greater than 108 MPGe (173 KPGe)

Combined: Greater than 116 MPGe (186 KPGe)

Driving Range (estimated)

City, typical: More than 100 miles (160 km)

Combined, Label: More than 87 miles (128 km)

Emissions: Zero Emissions Vehicle (ZEV)

BATTERY SYSTEM: 24 KWH LIQUID-COOLED/HEATED LITHIUM-ION BATTERY

Availability: Standard — 500e

Type and Description: Samsung SDI, 24 kilowatt-hours (kWh) capacity with 97 lithium-ion cells, 364 volts

Thermal Management System: 4 mode: thermal equalization, passive cooling, active cooling and active heating

On-board Charging Module (OBCM): BOSCH Germany, 6.6-kW with AC to DC transformation with Level 1 or Level 2 charging

Weight: 600 lbs

Estimated Charge Time

Level 1 (120V): less than 24 hours

Level 2 (240V): less than 4 hours

Power Inverter Module: BOSCH Germany, DC-to-AC and DC-to-DC

Connector: SAE J1772

VEHICLE COOLING MODULE

Availability: Standard — 500e

Type and Description: Brazed-aluminum radiators, aluminum condenser and cooling fan

TRANSMISSION: SINGLE-SPEED AUTOMATIC

Availability: Standard on 500e

Gear Ratios Reverse: 9.59:1

Final-drive Ratio: 9.59:1

ELECTRICAL SYSTEM

Battery: 12 volt, 500 CCA, maintenance free

SUSPENSION

Front: MacPherson suspension, coil spring with twin-tube struts and stabilizer bar

Rear: Rear twist-beam axle with coil springs and twin-tube shock absorbers

STEERING

Type: Rack and pinion with electric power steering (EPS) column

Overall Ratio: 16.3:1

Turning Diameter (curb-to-curb): 31.3 feet (9.54 m)

Steering Turns (lock-to-lock): 3.0

BRAKES

Availability: Standard on 500e

Front:

Rotor size and type: 11.0 x 0.87 (284 x 22) vented with regenerative braking

Caliper size and type: 2.13 (54) single-piston with aluminum housing

Swept area: 218 sq. in (1410 sq. cm)

Rear:

Rotor size and type: 9.4 x 0.4 (251 x 11) solid with regenerative braking

Caliper size and type: 1.50 (38) single-piston with aluminum housing

Swept area: 162 sq. in (1048 sq. cm)

DIMENSIONS AND CAPACITIES(D)

Wheelbase: 90.6 (2,300)

Track, Front: 55.4 (1,407)

Track, Rear: 55.0 (1,397)

Overall Length: 142.4 (3,617)

Overall Width: 64.1 (1,627)

Overall Height: 60.1 (1,527)

Ground Clearance: 4.5 (115)

Drag Coefficient (Cd): 0.311

Curb Weight, lb. (kg): 2,980 (1,355)

Weight Distribution, percent Front/Rear: 57 / 43

Towing Capacity, lb. (kg): 881/1763 (400/800)

(d) All dimensions measured at curb weight with standard tires.

ACCOMMODATIONS

Seating Capacity, F/R: 2/2

Front Seat

Head room: 38.9 (989) 37.6 (956) with sunroof

Legroom: 40.7 (1,035)

Shoulder room: 49.4 (1,255)

Hip room: 47.8 (1215)

Total seat travel: Driver — 8.2 (210) Passenger — 8.2 (210)

EPA front row interior volume: 45.3 cu. ft. (1.282 cu. m)

Rear Seat

Head room: 35.5 (903)

Legroom: 27.6 (702)

Shoulder room: 46.4 (1,179)

Hip room: 42.6 (1,083)

EPA second row interior volume: 26.3 cu. ft. (0.745 cu. m)

Total Interior Volume: 71.6 cu. ft. (2.027 cu. m)

EPA Luggage Compartment Volume: 7.0 cu. ft. (0.199 cu. m)

EPA Interior Volume Index: 78.6 cu. ft. (2.226 cu. m)

Trunk Lifterover Height: 28.1 (715)

TIRES

Availability: Standard on 500e

Size and type: 185/55R15 BSW All-season

Mfr. and model: Firestone Firehawk GTH

Revs per mile (km): 906 (563)

WHEELS

Availability: Standard on 500e

Type and material: Cast-aluminum, five-hole design, painted Argento (silver) with Nero (black) accented inserts

Size: 15 x 5.5 (front) and 15 x 6.5 (rear)