

# All-new 2013 FIAT 500e

## SPECIFICATIONS (preliminary)

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	Spring 2013 as a 2013 model

### BODY/CHASSIS

Layout	Front-wheel drive
Construction	Unitized steel body

### ELECTRIC MOTOR

Availability	Standard — 500e
Type and Description	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)
Fuel Economy Label (estimated)	
City	Greater than 116 MPGe (186 KPGe)
Highway	Greater than 100 MPGe (160 KPGe)
Combined	Greater than 108 MPGe (173 KPGe)
Driving Range (estimated)	
City, typical	More than 100 miles (160 km)
Combined, Label	More than 80 miles (128 km)
Emissions	Zero Emissions Vehicle (ZEV)

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

Availability	Standard — 500e
Type and Description	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)	AC to DC transformation with Level 1 or Level 2 charging
Estimated Charge Time	Level 1 (120V): less than 24 hours Level 2 (240V): less than 4 hours
Power Inverter Module	DC-to-AC and DC-to-DC
Connector	SAE J1772

### VEHICLE COOLING MODULE

Availability	Standard — 500e
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Type and Description

Brazed-aluminum radiators, aluminum condenser and cooling fan

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### TRANSMISSION: SINGLE-SPEED AUTOMATIC

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Availability	Standard on 500e
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Gear Ratios

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Reverse	9.59:1
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Final-drive Ratio	9.59:1
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### ELECTRICAL SYSTEM

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Battery	12 volt, 500 CCA, maintenance free
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### SUSPENSION

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Front	MacPherson suspension, coil spring with twin-tube struts and stabilizer bar
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Rear	Rear twist-beam axle with coil springs and twin-tube shock absorbers
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### STEERING

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Type	Rack and pinion with electric power steering (EPS) column
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Overall Ratio	16.3:1
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Turning Diameter (curb-to-curb)	31.3 feet (9.54 m)
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Steering Turns (lock-to-lock)	3.0
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### BRAKES

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Availability	Standard on 500e
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Front

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Rotor size and type	11.0 x 0.87 (284 x 22) vented with regenerative braking
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Caliper size and type	2.13 (54) single-piston with aluminum housing
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Swept area	218 sq. in (1410 sq. cm)
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Rear

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Rotor size and type	9.4 x 0.4 (251 x 11) solid with regenerative braking
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Caliper size and type	1.50 (38) single-piston with aluminum housing
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Swept area	162 sq. in (1048 sq. cm)
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### DIMENSIONS AND CAPACITIES<sup>(D)</sup>

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Wheelbase	90.6 (2,300)
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Track, Front	55.4 (1,407)
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Track, Rear	55.0 (1,397)
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Overall Length	142.4 (3,617)
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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

(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 Liftover 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)

Availability	Included with e-Sport Package on 500e
Type and material	Cast-aluminum, five-hole design, painted Nero with Electrico Arancione Perla (Electric Orange Tri-coat paint) accented inserts
Size	15 x 5.5 (front) and 15 x 6.5 (rear)

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