

# 2016 FORD C-MAX ENERGI TECHNICAL SPECIFICATIONS

<b>BODY</b>	
Construction	Unitized steel body
Final assembly location	Wayne, Michigan
<b>POWERTRAIN AND CHASSIS</b>	
<b>ENGINE</b>	
Type	2.0-liter I-4, Atkinson cycle
Manufacturing location	Chihuahua, Mexico
Configuration	Aluminum block and head
Valvetrain	DOHC, four valves per cylinder, intake variable camshaft timing
Bore x stroke	87.55 x 83.1 mm
Displacement	122 cu. in. (1,999 cc)
Compression ratio	12.3:1
Oil capacity	4.5 quarts with filter
Coolant capacity	Eight liters
<b>PERFORMANCE</b>	
Engine horsepower	141
Engine torque	129 lb.-ft.
Total system horsepower (sustain)	188
Top speed	102 mph
Top speed in electric-only mode	85 mph
<b>EMISSIONS</b>	
Exhaust manifold	Conventional close-coupled manifold
Emissions control	Three-way catalyst
Emissions level	AT-PZEV
<b>FUEL</b>	
Fuel type	Unleaded (regular)
Fuel capacity	14 gallons
Fuel injection	Sequential multiport electronic
Fuel economy*	40 mpg city, 36 mpg highway, 38 mpg combined
Fuel economy equivalent**	95 MPGe city, 81 MPGe highway, 88 MPGe combined
EV range	19 miles
Total range	550 miles

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<b>ELECTRIC MOTOR/GENERATOR</b>	
Type	Permanent magnet AC synchronous motor
Output	118 horsepower @ 6,000 rpm (88 kW @ 6,000 rpm)
Torque	117 lb.-ft. (240 Nm)
<b>TRANSMISSION</b>	
Type	HF35 eCVT hybrid power-split transaxle
<b>HIGH-VOLTAGE BATTERY</b>	
Type	7.6-kWh lithium-ion
Charge time	2.5 hours, 240-volt; seven hours, 120-volt
Peak power (charge sustain mode)	35 kW
<b>SUSPENSION</b>	
Front	Independent MacPherson strut with 25-mm stabilizer bar
Front shocks	Gas pressurized
Rear	Control Blade™ multilink with 22-mm stabilizer bar
Rear shocks	Gas pressurized
<b>STEERING</b>	
Type	Electric power-assisted, rack-and-pinion
Ratio	14.7 to 1
Turns, lock-to-lock	2.35
<b>BRAKES</b>	
Type	Power-assisted four-wheel discs with four-sensor, four-channel antilock braking system, regenerative braking
Front	300 x 25-mm vented discs
Rear	280 x 11-mm solid discs
<b>TRACTION CONTROL</b>	
Type	AdvanceTrac® with Roll Stability Control™
<b>WHEELS AND TIRES</b>	
SEL	17-in. alloy, P225/50R17
<b>DIMENSIONS (inches unless otherwise noted)</b>	
<b>EXTERIOR</b>	
Wheelbase	104.3
Length	173.6
Width, excluding mirrors	72
Width, with mirrors	82.1
Height	63.8
Track, front, rear	60.5, 60.4
Minimum ground clearance	140 mm

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<b>INTERIOR</b>	
Seating capacity	Five
First-row headroom	41
First-row legroom	40.4
First-row shoulder room	55.9
First-row hip room	54.3
Second-row headroom	39.4
Second-row legroom	36.5
Second-row shoulder room	55.2
Second-row hip room	51.9
<b>WEIGHTS AND CAPACITIES</b>	
Base curb weight	3,899 lbs.
Passenger volume, first row	53.7 cu. ft.
Passenger volume, second row	46.1 cu. ft.
Total passenger volume	99.7 cu. ft.
Cargo volume behind first row	42.8 cu. ft.
Cargo volume behind second row	19.2 cu. ft.

*\*EPA-estimated fuel economy ratings. Actual mileage will vary*

*\*\*MPGe is the EPA equivalent measure of gasoline fuel efficiency for electric mode operation. Actual mileage will vary*

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