

2013 FORD C-MAX TECHNICAL SPECIFICATIONS

	C-MAX Hybrid	C-MAX Energi
BODY		
Construction	Unitized steel body	
Final assembly location	Wayne, Mich.	
POWERTRAIN AND CHASSIS		
ENGINE		
Type	2.0-liter DOHC inline four-cylinder, Atkinson cycle	2.0-liter DOHC inline four-cylinder, Atkinson cycle
Manufacturing location	Chihuahua, Mexico	Chihuahua, Mexico
Configuration	Aluminum block and head	Aluminum block and head
Valvetrain	DOHC, four valves per cylinder, intake variable camshaft timing (iVCT)	DOHC, four valves per cylinder, intake variable camshaft timing (iVCT)
Bore x stroke	87.55 mm x 83.1 mm	87.55 mm x 83.1 mm
Displacement	122 cu. in./1,999 cc	122 cu. in./1,999 cc
Compression ratio	12.3:1	12.3:1
Oil capacity	4.5 quarts with filter	4.5 quarts with filter
Coolant capacity	7 liters	8 liters
PERFORMANCE		
Engine horsepower	141	141
Engine torque	129 lb.-ft.	129 lb.-ft.
Total system power (sustain)	188 horsepower	188 horsepower
Top speed	115 mph	102 mph
Top speed in electric-only mode	62 mph	85 mph
EMISSIONS		
Exhaust manifold	Exhaust heat energy recapture cooled manicat	Conventional close-coupled manicat
Emissions control	Three-way catalyst	Three-way catalyst
Emissions level	ULEV2 (projected)	AT-PZEV (projected)
FUEL		
Fuel	Unleaded (regular)	Unleaded (regular)
Fuel capacity	13.5 gallons	14 gallons
Fuel delivery	Sequential multiport electronic	Sequential multiport electronic
Fuel economy	47 mpg city, 47 mpg highway, 47 mpg combined	108 MPGe city, 92 MPGe highway, 100 MPGe combined
Total range	570 miles	620 miles
ELECTRIC MOTOR/GENERATOR		
Type	Permanent magnet AC synchronous motor	Permanent magnet AC synchronous motor
Output	118 hp @ 6,000 rpm/88 kW @ 6,000 rpm	118 hp @ 6,000 rpm/88 kW @ 6,000 rpm
Torque	177 lb.-ft./240 Nm	177 lb.-ft./ 240Nm
TRANSMISSION		
Type	HF35 eCVT hybrid powersplit transaxle	HF35 eCVT hybrid powersplit transaxle
HIGH VOLTAGE BATTERY		
Type	1.4 kWh lithium-ion	7.6 kWh Lithium-ion
Charge time	n/a	2.5 hours (240-volt), seven hours (120-

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		volt)
Peak power (charge sustain mode)	35 kW	35 kW
SUSPENSION		
Front	Independent MacPherson strut with 25.5-mm stabilizer bar	Independent MacPherson strut with 25.5-mm stabilizer bar
Front shocks	Gas pressurized	Gas pressurized
Rear	Control Blade™ multilink with 22-mm stabilizer bar	Control Blade multilink with 22-mm stabilizer bar
Rear shocks	Gas pressurized	Gas pressurized
STEERING		
Type	Electric power-assisted steering (EPAS), rack-and-pinion	Electric power-assisted steering (EPAS), rack-and-pinion
Ratio	14.7 to 1	14.7 to 1
Turns, lock-to-lock	2.35	2.35
BRAKES		
Type	Power-assisted four-wheel disc brakes with four-sensor, four-channel anti-lock braking system (ABS+ESC+HLA), regenerative braking system	Power-assisted four-wheel disc brakes with four-sensor, four-channel anti-lock braking system (ABS+ESC+HLA), regenerative braking system
Front	278 x 25-mm vented disc	300 x 25-mm vented disc
Rear	280 x 11-mm solid disc	280 x 11-mm solid disc
TRACTION CONTROL		
Type	AdvanceTrac® with Roll Stability Control® (RSC™)	AdvanceTrac with Roll Stability Control (RSC)
WHEELS AND TIRES		
SE (C-MAX Hybrid only)	17-in. machined aluminum, P225/50R-17	
SEL	17-in. machined aluminum, P225/50R-17	
DIMENSIONS (inches unless otherwise noted)		
EXTERIOR		
Wheelbase	104.3	104.3
Length	173.6	173.6
Width (excluding mirrors)	72	72
Width (including mirrors)	75.6	75.6
Height	63.9	63.8
Track, front/rear	60.5/60.4	60.5/60.4
Minimum ground clearance	140 mm	140 mm
INTERIOR		
Seating capacity	Five	Five
First row headroom	41	41
First row legroom (maximum)	43.1	43.1
First row hip room	54.3	54.3
First row shoulder room	55.9	55.9
First row hip room	54.3	54.3
Second row headroom	39.4	39.4

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Second row hip room	51.9	51.9
Second row legroom	36.5	36.5
Second row shoulder room	55.2	55.2
Second row hip room	51.9	51.9
WEIGHTS AND CAPACITIES		
Base curb weight	3,640 lbs.	3,899 lbs.
Passenger volume, first row	53.7	53.7
Passenger volume, second row	46.1	46.1
Total passenger volume (cu. ft.)	99.7	99.7
Cargo volume behind first row (cu. ft.)	52.6	42.8
Cargo volume behind second row (cu. ft.)	24.5	19.2
<i>All specifications subject to change and as of May 9, 2013</i>		