

2016 LINCOLN MKX

TECHNICAL SPECIFICATIONS

BODY

Construction	Unibody
Final assembly location	Oakville Assembly Complex, Oakville, Ontario

ENGINE

Type	3.7-liter 24-valve Ti-VCT V6	2.7-liter EcoBoost® twin-turbocharged V6
Manufacturing location	Lima Engine Plant; Lima, Ohio	Lima Engine Plant, Lima, Ohio
Configuration	60-degree V6, aluminum block and heads	60-degree V6, compacted graphic iron block, cracked powder metal caps with aluminum frame and heads
Intake manifold	Composite, common plenum	Composite, common plenum
Exhaust manifold	Cast iron	Integrated exhaust manifold
Crankshaft	Forged steel	Forged steel
Redline	7,000 rpm	6,500 rpm
Idle speed in drive/neutral	600 rpm (640 with Trailer Tow Package)	580 rpm/625
Throttle body	65 mm electronically controlled	60.015 mm electronically controlled
Valvetrain	Direct acting mechanical buckets, four valves per cylinder, twin independent variable camshaft timing	Roller finger follower, four valves per cylinder, twin independent variable cam timing
Valve diameter	Intake 37 mm, exhaust 31 mm	Intake 32.5mm, exhaust 28.3 mm
Pistons	High-temperature cast-aluminum alloy with low-friction coated skirts, low-tension rings	High-temperature cast aluminum alloy with nickel-iron ring carrier
Connecting rods	Cracked powder metal	Forged steel with cracked powder metal caps
Ignition	Pencil coil	COP/Driver on coil/one-piece boot
Bore x stroke	3.6 x 3.4 in./92.5 x 86.7 mm	3.27 x 3.27 in.
Displacement	227 cu. in./3,726 cc	164 cu. in.
Compression ratio	10.5:1	10.0:1
Horsepower	303 @ 6,500 rpm	335 @ 5,500*
Horsepower per liter	81.9	124.0
Torque	278 lb.-ft. @ 4,000 rpm	380 lb.-ft. @ 3,000 rpm*
Required fuel (minimum)	87 octane	87 octane
Fuel capacity	18.4 gallons (FWD), 18.5 gallons (AWD)	18.4 gallons (FWD), 18.5 gallons (AWD)
Fuel injection	Sequential multiport electronic	Direct injection
Emission control	Closed loop with catalyst	Closed loop with catalyst
Emissions (tailpipe/evaporation)	Tier 2, Bin 5/LEV – II ULEV	Tier 2, Bin 5/LEV – II ULEV
Oil capacity	6 quarts, with filter	6 quarts, with filter
Recommended oil	GF4, 5W-20	GF4, 5W-30
Coolant capacity	11.7 quarts	10.6 quarts

DRIVETRAIN

Layout	Front-wheel drive; Intelligent AWD available
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TRANSMISSION

Standard	Six-speed SelectShift® automatic transmission with paddle activation	
First	4.48:1	
Second	2.87:1	
Third	1.84:1	
Fourth	1.41:1	
Fifth	1.00:1	
Sixth	0.74:1	
Reverse	2.88:1	
Final drive	3.39 FWD; 3.65 AWD	3.16 FWD, 3.39 AWD

SUSPENSION

Front	Independent, MacPherson struts and L-shaped aluminum lower control arms with isolated subframe and stabilizer bars	
Front shocks	Gas-pressurized, hydraulic, twin tube; continuously controlled damping available	
Rear	Integral link rear suspension with an aluminum rear lower control arm, isolated subframe and stabilizer bar	
Rear shocks	Gas-pressurized, hydraulic monotube; continuously controlled damping available	

STEERING

Type	Electric power-assisted steering
Steering column	Tilt/telescoping
Ratio	14.9:1 on center
Turns, lock-to-lock	2.7
Turning circle, curb-to-curb	38.6 ft.

BRAKES

Type	Four-wheel ABS (four-channel); AdvanceTrac® with RSC®
Front	Discs
Front swept area	75.0 sq. cm
Rear	Discs
Rear swept area	31.1 sq. cm.
Power assist	Yes

TIRES AND WHEELS

Tires/wheel sizes and types	P245/60R18 A/S 18-in. painted aluminum wheels (standard, Premiere)
Available:	P245/60R18 A/S 18-in. premium painted aluminum wheels (standard, Select) P245/50R20 A/S 20-in. premium painted aluminum 10-spoke wheels (standard on Reserve with 2.7L engine AWD) P245/50R20 A/S 20-in. premium painted aluminum 20-spoke wheels (standard on Reserve with 2.7L engine FWD and 3.7L engine FWD/AWD) P265/40R21 A/S 21-in. premium painted aluminum wheels (available on Reserve with 2.7L EcoBoost engine AWD) P265/40R21 A/S 21-in. polished aluminum wheels (available on Reserve with 2.7L EcoBoost engine)

DIMENSIONS (inches unless otherwise noted)

Exterior	
Wheelbase	112.2
Overall Length	190.0
Overall Height (without options)	66.2
Overall Width (excluding mirrors)	76.1
Overall Width (including mirrors)	86.1
Overall Width (mirrors folded)	78.7
Track width, front/rear	64.8/64.7
Minimum ground clearance	7.8
Approach angle	18.0 degrees

DIMENSIONS continued (inches unless otherwise noted)

Exterior

Departure angle	23.6 degrees
Ramp breakover angle	16.4 degrees

Interior

Seating capacity	5 people
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Head Room

First row	39.9 (no moonroof), 38.2 (with moonroof)
Second row	39.2 (no moonroof), 37.6 (with moonroof)

Leg Room

First row, maximum	42.8
Second row	39.6

Hip Room

First row	56.4
Second row	55.6

Shoulder Room

First row	58.9
Second row	59.0

WEIGHTS AND CAPACITIES (pounds unless otherwise noted)

Cargo Volume

Behind first row	68.8 cu. ft.
Behind second row	37.2 cu. ft.

Passenger Volume	108.3 cu. ft.
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Maximum Towing Capacity (when properly equipped)	3,500 lbs. (Class II)
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Maximum Tongue Weight	350 lbs.
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Hitch Design	Weight-distributing
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Maximum Payload (when properly equipped, including 150-lb. driver)

FWD	900	900
AWD	900	900

Base Curb Weight

FWD	4,168	4,258
AWD	4,387	4,447

Weight Distribution (front/rear)	60/40
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FUEL ECONOMY**

3.7-liter V6	17 city/26 highway/20 combined mpg, FWD	16 city/23 highway/19 combined mpg, AWD
2.7L EcoBoost® V6	17 city/26 highway/21 combined mpg, FWD	17 city/24 highway/19 combined mpg, AWD

Specifications subject to change.

*Tested with 93 octane fuel. **EPA-estimated fuel economy rating. Actual mileage will vary.

