

2016 FORD FLEX TECHNICAL SPECIFICATIONS

BODY		
Construction	Steel unibody	
Final assembly location	Oakville Assembly, Oakville, Ontario	
POWERTRAIN AND CHASSIS		
ENGINE		
Type	3.5-liter V6	3.5-liter twin-turbo EcoBoost® V6
Manufacturing location	Lima Engine Plant	Cleveland Engine Plant
Configuration	60-degree V6, aluminum block, head	60-degree V6, aluminum block, head
Intake manifold	Composite, split plenum	Single-piece aluminum
Exhaust manifold	Cast iron	Dual-wall fabricated steel
Crankshaft	Forged steel	Forged steel
Redline	7,000 rpm (fuel cutoff)	6,450 rpm (fuel cutoff)
Idle speed in drive	600 rpm	600 rpm
Throttle body	68 mm electronic	65 mm electronic
Valvetrain	Direct-acting mechanical bucket, four valves per cylinder, twin independent variable camshaft timing	DOHC, four valves per cylinder, intake variable camshaft timing
Valve diameter	Intake, 37 mm; exhaust, 31 mm	Intake, 37 mm; exhaust, 31 mm
Pistons	High-temperature cast aluminum alloy with low-friction coated skirts, low-tension rings	High-temperature cast aluminum alloy with low-friction coated skirts, low-tension rings with direct injection bowl
Connecting rods	Cracked-powder metal	Cracked-powder metal
Ignition	Pencil coil	Pencil coil
Bore x stroke	3.6 x 3.4 in. (92.5 x 86.7 mm)	3.6 x 3.4 in. (92.5 x 86.7 mm)
Displacement	213 cu. in. (3,496 cc)	213 cu. in. (3,496 cc)
Compression ratio	10.3:1	10.0:1
Horsepower	287 @ 6,500 rpm	365 @ 5,500 rpm (93-octane)
Horsepower per liter	82	104
Torque	254 lb.-ft. @ 4,000 rpm	350 lb.-ft. @ 3,500 rpm ¹
Fuel	87 octane	87 octane, minimum; 91-plus, recommended
Fuel capacity	18.6 gallons	18.6 gallons
Fuel delivery	Sequential multiport electronic fuel injection	Direct injection
Oil capacity	6.0 quarts with filter	6.0 quarts with filter
Recommended oil	GF5, 5W-20	GF5, 5W-20
Emissions control	Closed loop with catalyst	Closed loop with catalyst
Federal standards	Tier 2/Bin 5 tailpipe, LEVII evaporative	Tier 2/Bin 5 tailpipe, LEVII evaporative
California standards	ULEVII tailpipe, LEVII evaporative	ULEVII tailpipe, LEVII evaporative

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DRIVETRAIN		
Layout	Front-wheel drive, all-wheel drive	All-wheel drive
TRANSMISSION		
Standard	Six-speed automatic overdrive	Six-speed automatic overdrive
Gear ratios		
1st	4.48:1	4.48:1
2nd	2.87:1	2.87:1
3rd	1.84:1	1.84:1
4th	1.41:1	1.41:1
5th	1:1	1:1
6th	0.74:1	0.74:1
Reverse	2.88:1	2.88:1
Final drive	FWD, 3.39:1; AWD, 3.65:1	3.16:1
SUSPENSION		
Front	Gas-pressurized MacPherson strut, rear-facing L-shaped lower control arm with hydro-bushings with isolated subframe and stabilizer bar	
Rear	Multilink, fully independent with upper and lower control arms, fully isolated subframe and stabilizer bar	
STEERING		
Type	Power rack-and-pinion	Electric power-assisted
Steering column	Tilt	Tilt
Ratio	17.4:1	17.1:1
Turns, lock-to-lock	3.15	3.15
Turning diameter, curb-to-curb	40.7 ft.	40.7 ft.
BRAKES		
Type	Four-wheel ABS (four-channel) with RSC® (Roll Stability Control™)	
Front	Ventilated discs	
Swept area	149.8 sq. in.	
Rear	Discs	
Swept area	136.4 sq. in.	
Power assist	Vacuum with brake assist	
WHEELS AND TIRES		
SE	17-in. painted aluminum, P235/60R17 BSW tires	
SEL	18-in. painted aluminum, P235/60R18 BSW tires; 20-in. bright painted aluminum, P255/45R20 BSW tires; 20-in. painted black with machined aluminum face, P225/45R20 AS tires	
Limited	19-in. painted aluminum, P235/55R19 BSW tires; 20-in. polished aluminum, P255/45R20 AS tires; 20-in. painted black with machined aluminum face, P225/45R20 AS tires	

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DIMENSIONS (inches unless otherwise noted)		
EXTERIOR		
Wheelbase	117.9	
Length	201.8	
Width, excluding mirrors	75.9	
Width, including mirrors	88.8	
Width, mirrors folded	80.1	
Height with options	69.3	
Track, front, rear	65.4, 65.4	
INTERIOR		
Seating capacity	Six/seven	
Headroom		
Front row	41.8	
Second row	40.5	
Third row	38.7	
Legroom		
Front row	40.8	
Second row	44.3	
Third row	33.3	
Shoulder room		
Front row	58.4	
Second row	58.1	
Third row	50.8	
Hip room		
Front row	55.5	
Second row	55.0	
Third row	41.1	
WEIGHTS AND CAPACITIES		
Passenger volume	155.8 cu. ft.	
Total interior volume	175.8 cu. ft.	
Cargo capacity		
Behind third row including rear seat well	20.0 cu. ft.	
Behind second row	43.2 cu. ft.	
Behind first row	83.2 cu. ft.	
Maximum towing capacity, when properly equipped	Class III, 4,500 lbs.	
Base curb weight		
FWD	4,439 lbs.	N/A
AWD	4,637 lbs.	4,828 lbs.

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