

# 2013 FORD FLEX TECHNICAL SPECIFICATIONS

<b>BODY</b>		
Construction	Steel unibody	
Final assembly location	Oakville Assembly Complex, Oakville, Ontario	
<b>POWERTRAIN AND CHASSIS</b>		
<b>ENGINE</b>		
Type	3.5-liter V6 Ti-VCT	3.5-liter EcoBoost® V6
Manufacturing location	Lima Engine Plant, Ohio	Cleveland Engine Plant, Ohio
Configuration	60-degree V6, aluminum block/heads	60-degree V6, aluminum block/heads
Intake manifold	Composite, split plenum	Single-piece aluminum
Exhaust manifold	Fabricated steel	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 (Ti-VCT)	DOHC, four valves per cylinder, intake variable camshaft timing (iVCT)
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 (with integral driver)
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	10.8:1	10.0:1
Horsepower	285 @ 6,500 rpm (estimated)	355 @ 5,700 rpm (premium fuel)
Horsepower per liter	81.5 (estimated)	101.5
Torque	253 lb.-ft. @ 4,000 rpm (estimated)	350 lb.-ft. @ 3,500 rpm (premium and regular fuel), 350 lb.-ft. @ 1,500 to 5,250 rpm
Recommended fuel	87 octane unleaded	Designed to run on regular fuel with an octane rating of 87 or higher. For best overall performance, premium fuel with an octane of 91 or higher is recommended
Fuel capacity	18.6 gallons	18.6 gallons
Fuel injection	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-30
Emission control	Closed loop with catalyst	Closed loop with catalyst
Fuel economy	TBD	TBD
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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<b>DRIVETRAIN</b>		
Layout	Front-wheel drive and all-wheel drive	All-wheel drive
<b>TRANSMISSION</b>		
Standard	Six-speed automatic overdrive	Six-speed automatic overdrive
<b>Gear ratios</b>		
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 3.16, AWD 3.39	AWD 3.16:1
<b>SUSPENSION</b>		
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 suspension with upper and lower control arms, fully isolated subframe and stabilizer bar	
<b>STEERING</b>		
Type	Power rack-and-pinion	Electric power-assisted steering (EPAS)
Steering column	Tilt	Tilt
Ratio	15.4:1	15.1:1
Turns, lock-to-lock	3.15	3.15
Turning diameter, curb-to-curb	42.4 ft.	41.5 ft.
<b>BRAKES</b>		
Type	Four-wheel ABS (four channel); AdvanceTrac <sup>®</sup> with RSC <sup>®</sup> (Roll Stability Control™)	
Front	Ventilated disc	
Swept area	149.8 sq. in.	
Rear	Disc	
Swept area	136.4 sq. in.	
Power assist	Vacuum with brake assist	
<b>WHEELS AND TIRES</b>		
SE	17-in. painted aluminum; P235/60R-17 BSW tires	
SEL	18-in. machined aluminum; P235/60R-18 BSW tires	
Limited Optional	19-in. polished aluminum; P235/55R-19 BSW tires 20-in. bright painted aluminum; P255/45R-20 BSW tires 20-in. five-spoke painted luster nickel aluminum; P255/45R-20 AS tires	
<b>DIMENSIONS (inches unless otherwise noted)</b>		
<b>EXTERIOR</b>		
Wheelbase	117.9	
Length	201.8	
Width with mirrors	88.8	
Vehicle height without	68.0	

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options		
Track, front/rear	65.4/65.4	
<b>INTERIOR</b>		
Seating capacity	Six/seven	
<b>Headroom</b>		
Front row	41.8	
Second row	40.5	
Third row	38.7	
<b>Legroom</b>		
Front row	40.8	
Second row	44.3	
Third row	33.3	
<b>Shoulder room</b>		
Front row	58.4	
Second row	58.1	
Third row	50.8	
<b>Hip room</b>		
Front row	55.5	
Second row	55.0	
Third row	41.1	
<b>WEIGHTS AND CAPACITIES (pounds unless otherwise noted)</b>		
Passenger volume	155.8 cu. ft.	
Total interior volume	175.8 cu. ft.	
<b>Cargo capacity</b>		
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 (properly equipped)	Class III – 4,500 lbs.	
<b>Base curb weight</b>		
FWD	4,439 lbs.	N/A
AWD	4,637 lbs.	4,828 lbs.