

2012 FORD FLEX TECHNICAL SPECIFICATIONS

BODY		
Construction	Steel unibody	
Final assembly location	Oakville Assembly Complex, Oakville, Ontario	
POWERTRAIN AND CHASSIS		
ENGINE		
Type	3.5-liter V6	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	Cast iron	Dual-wall fabricated steel
Crankshaft	Forged steel	Forged steel
Redline	6,700 rpm	6,200 rpm (fuel cutoff)
Idle speed in drive	620 rpm	600 rpm
Throttle body	65 mm electronic	65 mm electronic
Valvetrain	Direct-acting mechanical bucket, four valves per cylinder, intake 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 88.7 mm	3.6 x 3.4 in./92.5 x 88.7 mm
Displacement	213 cu. in./3,496 cc	213 cu. in./3,496 cc
Compression ratio	10.3:1	10.0:1
Horsepower	262 @ 6,250 rpm (estimated)	355 @ 5,700 rpm (premium fuel, estimated)
Horsepower per liter	74.8 (estimated)	101.5 (estimated)
Torque	248 lb.-ft. @ 4,500 rpm (estimated)	350 lb.-ft. @ 3,500 rpm (premium and regular fuel, estimated), 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	5.5 quarts with filter	6.0 quarts with filter
Recommended oil	GF4, 5W-20	GF4, 5W-20
Emission control	Closed loop with catalyst	Closed loop with catalyst
Fuel economy	FWD 17 mpg city/24 mpg highway, AWD 16 mpg city/23 mpg highway	AWD 16 mpg city/23 mpg highway
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 and 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 3.16, AWD: 3.39	AWD 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 suspension with upper and lower control arms, fully isolated subframe and stabilizer bar	
STEERING		
Type	Power rack-and-pinion	Electric power-assisted steering (EPAS)
Steering column	Tilt	Tilt
Ratio	17.4:1	17.1:1
Turns, lock-to-lock	3.15	3.15
Turning diameter, curb-to-curb	42.4 ft.	41.5 ft.
BRAKES		
Type	Four-wheel ABS (four channel); AdvanceTrac [®] with RSC [®] (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	
WHEELS AND TIRES		
SE	17-in. painted aluminum; P235/60R17 BSW tires	
SEL	18-in. machined aluminum; P235/60R18 BSW tires	
Limited Optional	19-in. polished aluminum; P235/55R19 BSW tires 20-in. bright painted aluminum; P255/45R20 BSW tires 20-in. five-spoke painted luster nickel aluminum; P255/45R20 AS tires	
DIMENSIONS (inches unless otherwise noted)		
EXTERIOR		
Wheelbase	117.9	
Length	201.8	
Width with mirrors	88.8	
Vehicle height without options	68.0	

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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 (pounds unless otherwise noted)		
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 (properly equipped)	Class III – 4,500 lbs.	
Base curb weight		
FWD	4,448 lbs.	
AWD	4,617 lbs.	4,781 lbs.