

# 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   | 2.87:1                                  |
| 2nd   | 2.87:1   | 1.84:1                                  |
| 3rd   | 1.84:1   | 1.41:1                                  |
| 4th   | 1.41:1   | 1:1                                     |
| 5th   | 1:1  | 0.74:1                                  |
| 6th   | 0.74:1   | 2.88:1                                  |
| Reverse   | 2.88:1   | AWD 3.16:1                              |
| 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   | 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.                                |
| <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<br>Optional                               | 19-in. polished aluminum; P235/55R-19 BSW tires<br>20-in. bright painted aluminum; P255/45R-20 BSW tires<br>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   | 4,448 lbs.             | N/A        |
| AWD   | 4,617 lbs.             | 4,781 lbs. |