2010 Expedition Technical Specifications

	Expedition	EL
BODY		
Construction	Steel body on fully boxed frame	
Final assembly location	Kentucky Truck Plant, Louisville, Kentucky	
POWERTRAIN AND CHASSIS		
ENGINE		
Type	5.4-liter V-8	
Manufacturing location	Windsor Engine Plant	
Configuration	Cast-iron block and aluminum heads	
Intake manifold	Composite intake	
Exhaust manifold	Cast-iron swept runner design	
Crankshaft	Steel	
Redline	5,400 rpm	
Minimum idle speed in drive	550 rpm	
Throttle body	75 mm electronically controlled	
Valvetrain	SOHC, 3 valves per cylinder, variable camshaft timing	
Valve diameter	Intake: 33.8 mm; Exhaust: 37.5 mm	
Pistons	Strutless modified barrel skirt; Hypereutectic aluminum alloy with graphite skirt coating	
Connecting rods	Powdered metal	
Ignition	12 volt coil-on-plug system	
Bore x stroke	3.55 x 4.17 in. / 90.2 x 105.8 mm	
Displacement	330 cu. in. / 5408 cc	
Compression ratio	9.8:1	
Horsepower	310 @ 5,100 rpm	
Horsepower per liter	55.5	
Torque	365 ft.-lb. @ 3,600 rpm	
Recommended fuel	87 octane	
Fuel capacity	28.0 gallons	33.5 gallons
Fuel injection	Sequential multi-port electronic	
Emission control	Closed loop with catalyst	
Emissions (tailpipe/evaporation)	Tier II, Bin 5 / LEV II-ULEV II	
Oil capacity	7.0 quarts	
Recommended oil	SAE 5W20	
Coolant capacity	20.6 quarts; 23.2 quarts with auxiliary AC	
DRIVETRAIN		
Layout	Rear- or four-wheel drive	
TRANSMISSION		

Standard	6-speed automatic overdrive	
Gear Ratios		
1st	4.17:1	
2nd	2.34:1	
3rd	1.52:1	
4th	1.14:1	
5th	0.87:1	
6th	0.69:1	
REV	3.40:1	
REAR AXLE RATIO		
Standard	3.31	3.73
Optional	3.73	3.73
SUSPENSION		
Front	Independent, double-wishbone, short- and long-arms (SLA) design with coil-over shocks and 36 mm stabilizer bar	
Rear	Independent, multilink design with coil-over shocks and 18 mm, 19 mm or 21 mm stabilizer bar	
STEERING		
Type	Low-friction rack and pinion with power assist	
Steering column	Manual tilt	
Ratio	20:1	
Turns lock-to-lock	3.2 turns	
Turning circle curb-to-curb	40.83 ft	43.93 ft
BRAKES		
Type	Four-wheel power disc brakes with standard 4 sensor, 4 channel anti-lock braking system (ABS) and AdvanceTrac® with RSC® (Roll Stability Control™)	
Front	343 x 34 mm ventilated	
Swept area	1,829.6 cm 2	
Rear	334.5 x 22 mm ventilated	
Swept area	1,025.6 cm 2	
Power assist	Vacuum with ABS	
TIRES AND WHEELS		
	P265/70R17 A/S BSW tires/ 17 x 7.5 inch steel wheels P265/70R17 ON/OFF ROAD OWL tires 17 x 8.0 inch aluminum wheels P265/70R17 A/S BSW tires/ 17 x 8.0 inch machined aluminum wheels P255/70R18 A/S OWL tires/ 18 x 8.5 inch machined aluminum wheels P255/70R18 A/S OWL tires/ 18 x 8.5 inch bright machined aluminum wheels P275/55R20 A/S BSW tires/ 20 x 8.5 inch chrome-clad aluminum wheels	

DIMENSIONS (inches unless otherwise noted)		
EXTERIOR	**Expedition 4x2/4x4**	**Expedition EL 4x2/4x4**

Wheelbase	119.0	131.0
Vehicle length	206.5	221.3
Vehicle width excluding mirrors	78.8	78.8
Vehicle width including mirrors	91.8	91.8
Vehicle width with mirrors folded	79.7	79.7
Vehicle height with options	77.2	77.7/78.3
Track width, front/rear	67.0/67.2	67.0/67.2
Minimum Running Ground clearance	8.7	8.7
Approach angle	22.8°/22.6°	23.1°/24.1°
Departure angle	21.4°/21.5°	20.1°/20.9°
Ramp breakover angle	18.4°/18.3°	17.6°/18.7°
INTERIOR	**Expedition 4x2/4x4**	**Expedition EL 4x2/4x4**
Headroom		
Front row	39.6	39.5
Second row	39.8	39.7
Third row	38.3	38.0
Legroom		
Front row	41.1	41.1
Second row	39.1	39.1
Third row	37.7	37.7
Shoulder room		
Front row	63.2	63.2
Second row	63.7	63.7
Third row	51.9	67.1
Hip room		
Front row	60.2	60.2
Second row	59.9	59.9
Third row	50.2	51.8
WEIGHTS AND CAPACITIES (pounds unless otherwise noted)		
Cargo Volume	Expedition	Expedition EL
Behind first row	108.3 cu. ft.	130.8 cu. ft.
Behind second row	55.0 cu. ft.	85.5 cu. ft.
Behind third row	18.6 cu. ft.	42.6 cu. ft.
Maximum towing capacity (when properly equipped)		
4X2	9,200	8,900
4X4	9,000	8,700
Maximum payload		
4X2	1,670	1,620

4X4	1,640	1,570
Base curb weight		
4X2	5,569	5,854
4X4	5,801	6,088
Weight distribution (f/r)		
4X2	49.6/50.4	49.4/50.6
4X4	51.1/48.9	51.0/49.0
FUEL ECONOMY(city/hwy)		
4x2, 5.4-liter V-8 (non EL)	14/20	N/A
4x4, 5.4-liter V-8	N/A	N/A

Specifications subject to change.