

2021 FORD EXPEDITION

# TECHNICAL SPECIFICATIONS



## BODY

Construction	Body on frame
Trim levels	XL, XLT, Limited, King Ranch, Platinum, STX
Body style	Sport utility vehicle
Final assembly location	Kentucky Truck Plant, Louisville, Kentucky

## ENGINE

	Expedition 3.5-liter EcoBoost®	Expedition MAX 3.5-liter EcoBoost
Configuration	60-degree V6	60-degree V6
Manufacturing location	Cleveland Engine Plant	Cleveland Engine Plant
Intake manifold	Nylon 6	Nylon 6
Exhaust manifold	Cast exhaust manifolds	Cast exhaust manifolds
Valvetrain	Twin independent variable camshaft timing (TI-VCT)	Twin independent variable camshaft timing
Pistons	Aluminum alloy	Aluminum alloy
Connecting rods	Forged HS170	Forged HS170
Ignition	Coil-on-plug	Coil-on-plug
Engine block type	Die-cast aluminum	Die-cast aluminum
Cylinder head material	Aluminum alloy	Aluminum alloy
Bore and stroke	3.6 inches x 3.4 inches	3.6 inches x 3.4 inches
Compression ratio	10.0:1	10.0:1
Engine control system	Powertrain control module	Powertrain control module
Crankshaft	Forged steel	Forged steel
Horsepower	375 @ 5,000 rpm	375 @ 5,000 rpm
Torque	470 lb.-ft. @ 2,250 rpm	470 lb.-ft. @ 2,250 rpm
Recommended fuel (minimum)	87 octane	87 octane
Fuel capacity	23.2 gallons	27.8 gallons
Fuel delivery	Gasoline direct injection	Gasoline direct injection
Exhaust	Single, stainless steel	Single, stainless steel
Oil capacity	With oil filter 6.0 quarts	With oil filter 6.0 quarts
EPA-estimated rating	4x2: 17 mpg city, 23 mpg highway, 19 mpg combined 4x4: 17 mpg city, 22 mpg highway, 19 mpg combined	4x2: 17 mpg city, 23 mpg highway, 19 mpg combined 4x4: 16 mpg city, 21 mpg highway, 18 mpg combined Actual mileage will vary

## DRIVETRAIN

Layout	Rear-wheel drive standard; Control Trac® four-wheel drive available ControlTrac with eLSD (3.73 Limited Slip Differential) – optional on 4x4 trucks	Rear-wheel drive standard; Control Trac® four-wheel drive available ControlTrac with eLSD (3.73 Limited Slip Differential) – optional on 4x4 trucks
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## TRANSMISSION

10-speed automatic with SelectShift®	10-speed automatic with SelectShift
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## GEAR RATIOS

	4x2	4x4	4x2 MAX	4x4 MAX
Final	3.15	3.31	3.31	3.73
First	4.696			
Second	2.985			
Third	2.146			
Fourth	1.769			
Fifth	1.520			
Sixth	1.275			
Seventh	1.000			
Eighth	0.854			
Ninth	0.689			
10th	0.636			
Reverse	4.866			

## SUSPENSION

Front configuration	Independent short- and long-arm, coil-over-shocks with stabilizer bar
Front shocks	Gas-charged (continuously controlled damping available)
Rear configuration	Independent multi-link with stabilizer bar (mechanical load-leveling available)
Rear shocks	Gas-charged (continuously controlled damping available)

## STEERING

Type	Electric power-assisted rack-and-pinion
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## BRAKES

Type	Power four-wheel disc antilock brake system with brake assist and electronic brake force distribution
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## WHEELS AND TIRES

Wheels	17-inch steel 18-inch machined-face aluminum with magnetic-painted pockets 18-inch magnetic metallic-painted cast-aluminum 20-inch polished aluminum 20-inch six-spoke gloss-black painted 20-inch luster nickel-painted aluminum 20-inch dark tarnish-painted 22-inch six-spoke painted machined-face aluminum with dark tarnish-painted pockets and King Ranch center caps 22-inch six-spoke painted machined-face aluminum with dark tarnish-painted pockets 22-inch premium black-painted aluminum
Tires	275/65R18, STX/XLT 275/55R20, Limited 285/45R22, King Ranch 285/45R22, Platinum

## DIMENSIONS (INCHES UNLESS OTHERWISE NOTED)

### EXTERIOR

Wheelbase	122.5	131.6
Length	210	221.9
Width, excluding mirrors	79.9	79.9
Width, including mirrors	93.4	93.4
Width, mirrors folded	83.6	83.6
Vehicle height	76.6, 4x2; 76.4, 4x4	76.4, 4x2; 76.2, 4x4
Track, front, rear	67.6, 67.2	67.6, 67.2
Front overhang	38.2	38.2
Rear overhang	49.3	49.3
Approach angle, 4x2	23.4 degrees	24 degrees
Approach angle, 4x4	23.3 degrees	23.7 degrees



Departure angle, 4x2	22.2 degrees	21.5 degrees
Departure angle, 4x4	21.9 degrees	21.3 degrees
Ramp breakover angle, 4x2	21.5 degrees	20.3 degrees
Ramp breakover angle, 4x4	21.4 degrees	20.1 degrees
Minimum running ground clearance	9.8	9.8, 4x2; 9.7, 4x4

## INTERIOR

Seating capacity	Eight; Five on STX	Eight
First-row headroom	42.0	42.0
First-row legroom (maximum)	43.9	43.9
First-row shoulder room	64.9	64.9
First-row hip room	62.2	62.2
Second-row headroom	40.0	40.0
Second-row legroom	41.5	41.5
Second-row legroom (maximum)	42.6	42.6
Second-row shoulder room	64.8	64.8
Second-row hip room	62.6	62.6
Third-row headroom	37.3	37.4
Third-row legroom	36.1	36.1
Third-row legroom (maximum)	40.9	40.9
Third-row shoulder room	64.2	64.3
Third-row hip room	51.4	51.4

## WEIGHTS AND CAPACITIES

Total passenger volume	171.9 cu. ft.	172.0 cu. ft.
Cargo volume behind first row	104.6 cu. ft.	121.5 cu. ft.
Cargo volume behind second row	57.5 cu. ft.	73.3 cu. ft.
Cargo volume behind second row (maximum)	63.6 cu. ft.	79.6 cu. ft.
Cargo volume behind third row	19.3 cu. ft.	34.3 cu. ft.
Cargo volume behind third row (maximum)	20.9 cu. ft.	36.0 cu. ft.
Base curb weight, 4x2	5,368 lbs.	5,534 lbs.
Base curb weight, 4x4	5,623 lbs.	5,794 lbs.

## TOWING

	4x2	4x4	4x2 MAX	4x4 MAX
Maximum trailer weight	6,600 lbs.	6,500 lbs.	6,600 lbs.	6,600 lbs.
Maximum trailer weight with available Heavy-Duty Trailer Towing Package	9,300 lbs.	9,200 lbs.	9,000 lbs.	9,000 lbs.
GCWR	12,300 lbs.	12,500 lbs.	12,500 lbs.	12,800 lbs.
GCWR with available Heavy-Duty Trailer Towing Package	14,900 lbs.	15,200 lbs.	15,100 lbs.	15,300 lbs.

## TECHNOLOGY

### DRIVER-ASSIST FEATURES

Adaptive cruise control with stop-and-go  
 Pre-Collision Assist with Automatic Emergency Braking and Forward Collision Warning  
 Lane-Keeping System  
 Enhanced active park assist

