

# 2023 FORD F-150

# TECHNICAL SPECIFICATIONS



## EXTERIOR DIMENSIONS

	Length (mm)	Width (mm)	Height (mm)
Supercrew 5.5-ft box	5885	2029	1961
Raptor (5.5-ft box w/35" tires)	5908	2184	2027

## OTHER EXTERIOR DIMENSIONS (MILLIMETER UNLESS OTHERWISE NOTED)

	Supercrew 5.5-ft.	5.5-ft Raptor w/ 35" tires
Wheelbase	3693	3693
Overall length	5885	5908
Cab height	1961	2027
Width - Excluding mirrors	2029	2184
Width - Including standard mirrors	2431	2438
Width - Standard Mirrors folded	2123	
Width - Including trailer tow mirrors	2690	
Width - Trailer tow mirrors folded	2167	
Track width - Front	1725	1880
Track width - Rear	1735	1869
Overhang - Front	955	
Overhang - Rear	1234	
Angle of approach	24,6°	31°
Angle of departure	25,3°	23,9°
Ramp breakover angle	20,0°	22,7°
Ground clearance	239	305
Open tailgate to ground	886	940
Front bumper to back of cab	3952	

## INTERIOR DIMENSIONS

	Supercrew (mm)
Seating	5 seats
Front headroom	1036
Front leg room (max)	1115
Front shoulder room	1694
Front hip room	1588
Rear head room	1026
Rear leg room (max)	1107
Rear shoulder room	1676
Rear hip room	1590



## PICK-UP BOX DIMENSIONS

	5,5-ft box (mm)
Inside Length	1704,3
Inside Height	543,6
Width between wheelhouses	1285,2
Rear opening width	1531,6
Max. Load Width (at floor)	1656,1
Cargo Volume	1495 L

## BODY

Construction	Fully boxed, high-strength steel frame. High-strength, military-grade, aluminum alloy body
Body Style	Body on frame, SuperCrew

## FUEL ECONOMY & EMISSIONS

Engine	Calculated combined consumption (l/100km)*	Co2 (g/km)*
5.0L PDFI V8	14,37	342
3.5L PowerBoost Hybrid	10,15	242
3.5L HO Ecoboost (Raptor)	16,44	293

\*Consumption and emission figures are calculated according to Regulation (EC) 692/2008 and comply with California Code regulations. Note: values may not fully represent real-world driving conditions.

## WEIGHTS & CAPACITIES

Engine	Gross vehicle weight rating	Curb Weight
5.0L PDFI V8	3198	2303
3.5L PowerBoost Hybrid	3334	2577
3.5L HO Ecoboost (Raptor)	3266	2645

  

Engine	Max payload	Max Towing (BE)
5.0L PDFI V8	895	3500
3.5L PowerBoost Hybrid	756	3500
3.5L HO Ecoboost (Raptor)	646	3500



## ENGINE, DRIVETRAIN & FUEL CAPACITY

	5.0L PDFI V8	3.5L Powerboost Hybrid	3.5L HO Ecoboost (Raptor)
HP (PS)	406 PS	436 PS	456 PS
Torque	555,9 NM	772,8 NM	691,5 NM
Kilowatt	298 kW	321 kW	336 kW
Configuration	Naturally-aspirated 90-degree V8, overhead cams	Twin-turbocharged and intercooled 60-degree V6, overhead cams	Twin-turbocharged and intercooled 60-degree V6, overhead cams
Block/Head Material	Aluminum block, aluminum heads	Aluminum block, aluminum heads	Aluminum block, aluminum heads
Displacement	5.0 liters (5,038 cubic centimeters)	3.5 liters (3,497 cubic centimeters)	3.5 liters (213 cubic inches)
Bore x Stroke	3.66 x 3.65 inches	3.64 x 3.41 inches	3.64 x 3.41 inches
Compression ratio	10.5:1	12:1	10.5:1
Valvetrain	Roller finger follower	Roller finger follower	Roller finger follower
Ignition system	Coil on plug	Coil on plug	Coil on plug
Fuel delivery	Port fuel injection with direct injection	Port fuel injection with direct injection	Port fuel injection with direct injection
Engine control system	Electronic	Electronic	Electronic
Oil service fill volume	7.75 quarts	6 quarts	6 quarts
Coolant capacity	12.5 liters	14.5 liters high temp loop, 6.8 liters low temp loop	13.0 liters

## FUEL CAPACITY

Engine	Standard (liters)	Extended (liters)
5.0L PDFI V8	98	136
3.5L Powerboost Hybrid	115	
3.5L HO Ecoboost (Raptor)		136

## DRIVETRAIN

Layout	Front engine, electronically-controlled 4x4 with electronic locking rear differential Front engine full hybrid, electronically-controlled 4x4 with electronic locking rear differential Front engine 3.5L EcoBoost V6, 10R80 Transmission, 2-Speed, Torque-On-Demand® 4x4 with Mechanical Lock, and Electronic-Locking Rear Differential with 4.10 rear-axle
Transfer case	Electronic Shift on the Fly (XLT, Lariat Launch Edition) with Flat Tow Mode 2-Speed Torque on Demand (Lariat, Limited, Raptor) with Flat Tow Mode

## SAFETY/CONTROL SYSTEMS

### Standard safety

ABS/Stability control Four-Wheel Anti-Lock Brakes, AdvanceTrac® with Roll Stability Control™ (RSC®)

### Airbags

Front, Driver and passenger

Front, Driver and passenger seat-mounted side

Front, Driver and Passenger knee

Safety Canopy® side curtains

### Chassi Safety

Leaf spring/solid axle



## TRANSMISSION

Configuration	10-Speed SelectShift® Automatic	10-Speed Modular Hybrid Transmission
First	4.696	4.696
Second	2.985	2.985
Third	2.146	2.146
Fourth	1.769	1.769
Fifth	1.520	1.520
Sixth	1.275	1.275
Seventh	1.000	1.000
Eighth	0.854	0.854
Ninth	0.689	0.689
Tenth	0.636	0.636
Reverse	4.866	4.866

## SUSPENSION

	XLT, LARIAT, LIMITED	RAPTOR
Front configuration	Independent double-wishbone with coil-over shock and stamped lower control arm	Independent double-wishbone with coil-over shock and cast aluminum lower control arm
Front shock absorber type	Heavy-duty gas-pressurized	High-output, gas-pressurized, electronically controlled, continuously variable compression damping FOX Racing Shox™, 3.1-inch damper, 0.875-inch rod diameter (standard)
Rear configuration	Leaf spring/solid axle	5-link coil with Panhard rod
Rear shock absorber type	Standard - Heavy-duty gas-pressurized	High-output, gas-pressurized, electronically controlled, continuously variable compression damping FOX Racing Shox™, 3.1-inch damper, 0.875-inch rod diameter
Front suspension travel	N/A	14.0-inch (standard)
Rear suspension travel	N/A	15.0-inch (standard)



## BRAKES

	Standard	Heavy-Duty
Booster type	Electronically controlled brake boost	Electronically controlled brake boost
Front type	Power anti-lock vented disc	Power anti-lock vented disc
Front rotor/drum diameter/thickness/material	Nitro Tough Iron, 350 mm x 34 mm	Nitro Tough Iron, 350 mm x 34 mm
Front caliper configuration	2 x 51 mm sliding caliper	2 x 51 mm sliding caliper
Front pad material	FER9213	FER9213
Front swept area	51547 mm <sup>2</sup>	51547 mm <sup>2</sup>
Rear type	Power anti-lock vented disc	Power anti-lock vented disc
Rear rotor/drum diameter	Nitro Tough Iron, 336 x 20 mm	Nitro Tough Iron, 336 x 20 mm
Rear caliper configuration	1 x 54 mm sliding eIPB	1 x 54 mm sliding eIPB
Rear pad material	GA9105	GA9105
Rear swept area	40998 mm <sup>2</sup>	40998 mm <sup>2</sup>
Parking/emergency brake	18.5 kN electronic parking brake	25.5 kN electronic parking brake

## STEERING

	Wheelbase (inch)	Diameter (m)
Turning circle (curb-to-curb)	145,4	14,6

## WHEELS & TIRES

Wheels type	20" 6-spoke Dark Alloy-painted aluminum (64S)	22" Polished aluminum (64Z)	17" Cast aluminum (64B)
Available on	XLT, Lariat	Limited	Raptor
Size	275/60R20 115T A/T (T2P)	275/50R22 111T A/S	LT315/70R17 (35") A/T
Rim Width (in.)	8.5	8.5	8.5
Section Width (in.)	11.10	10.90	12.5
Static Loaded Radius (in.)	14.75	19.98	15.80
Maximum Tire Capacity Load (kg/lbs.)	1215/2679	1215/2679	1150/2535
Maximum Wheel Capacity Load Front/Rear (lbs.)	2,025/2,249	1,950/2,166	1,900/1,925
Snowflake	M+S	M+S	Snowflake and M+S
Speed index	T	T	T



