

2023 FORD F-SERIES SUPER DUTY® PRELIMINARY TECHNICAL SPECIFICATIONS



BODY

Construction/materials	High-strength fully boxed steel frame, aluminum bed and cab
Body style	Body-on-frame
Trim levels	XL, XLT, Lariat, King Ranch, Platinum, Limited
Final assembly location	Kentucky Truck Plant, Ohio Assembly Plant

DRIVETRAIN

Standard layout	Front-engine, rear-drive
Optional layout	Front-engine, 4x4

ENGINES

	6.8-liter V8	7.3-liter V8	6.7-liter Power Stroke® diesel V8	High-output 6.7-liter Power Stroke®
Configuration	90-degree V8, single in-block cams	90-degree V8, single in-block cams	90-degree diesel V8, single turbocharger, in-block cams and overhead valves	90-degree diesel V8, single turbocharger, in-block cams and overhead valves
Block/head material	Cast iron block, aluminum heads	Cast iron block, aluminum heads	Compacted graphite iron block, aluminum heads	Compacted graphite iron block, aluminum heads
Displacement	6.8 liters (415 cubic inches)	7.3 liters (445 cubic inches)	6.7 liters (406 cubic inches)	6.7 liters (406 cubic inches)
Bore x stroke	4.22 inches x 3.68 inches	4.22 inches x 3.98 inches	3.9 inches x 4.25 inches	3.9 inches x 4.25 inches
Compression ratio	10.8:1	10.5:1	15.8:1	15.8:1
Valvetrain	Pushrod and rocker arms, two valves per cylinder	Pushrod and rocker arms, two valves per cylinder	Pushrod and rocker arms, four valves per cylinder	Pushrod and rocker arms, four valves per cylinder
Recommended fuel	87 octane	87 octane	Ultra-low sulfur diesel/B20	Ultra-low sulfur diesel/B20
Fuel delivery	Sequential multi-port	Sequential multi-port	High-pressure common rail	High-pressure common rail
Engine control system	Electronic	Electronic	Electronic	Electronic
Intake manifold	Naturally aspirated, tuned intake	Naturally aspirated, tuned intake	Single turbocharger, charged air	Water jacketed single turbocharger, charged air
SAE horsepower	TBD	TBD	TBD	TBD
SAE torque	TBD	TBD	TBD	TBD

FORD F-SERIES SUPER DUTY®



ELECTRICAL

Alternator	160-amp standard on XL and XLT with 6.8-liter V8
	195-amp standard on Lariat and above equipped with 6.8-liter V8
	250-amp optional with 6.8-liter V8
	250-amp standard on all models equipped with 7.3-liter V8
	195-amp standard on XL and XLT models equipped with 6.7-liter diesel V8
	250-amp standard on Lariat through Platinum equipped with 6.7-liter diesel V8, optional on XL and XLT
Battery group	195-amp and 157-amp dual alternator standard on Limited, optional on all models equipped with 6.7-liter diesel V8
	250-amp and 157-amp dual alternator optional on all models equipped with 6.7-liter diesel V8
Battery group	6.8-liter, 7.3-liter, 12-volt; 750-CCA/78-amp-hr
	6.7-liter, dual 12-volt; 750-CCA/68-amp-hr AGM

STANDARD AND AVAILABLE TECHNOLOGY

AdvanceTrac® with Roll Stability Control® and Trailer Sway Control, Intelligent Adaptive Cruise Control with Stop & Go, Auto High Beam, Automatic Emergency Braking (AEB), Automatic Load Leveling Headlamps with Dynamic Bending, Auto Hold, BLIS® with Cross-Traffic Alert, BLIS® with Trailer Coverage now including 5th & gooseneck trailers, B&O 18-Speaker Sound System, BoxLink™ and LED box lighting, Up to 28 available camera views including new views at speed and Picture-in-Picture Trailer views, 12" Digital Driver Information Cluster with custom cluster views, Driver Alert, Drive Modes (up to 6) including – Normal, Eco, Tow/Haul, Trail (4x2), Off-Road(4x4), Slippery, Rock Crawl (Tremor), Dynamic Brake Support, Electronic Locking rear Differential, Electronic Park Brake, Exit Warning, Ford Co-Pilot360™ 2.0: Pre-Collision Assist with Automatic Emergency Braking (AEB), FordPass Connect™ with 5G LTE Wi-Fi hotspot for up to 10 devices, Ford Pro Intelligence Software Platform – including telematics data services, vehicle security, driver in-vehicle coaching, Forward Collision Warning, Front Brake Assist, Front Park Sensing System with available automatic camera view, Head-Up Display with customizable views for Normal, Towing, Off-Road, Hill Start Assist, Intelligent Adaptive Cruise Control, Intersection Assist, Lane-Centering System, Lane-Keeping Aid, Lane-Keeping Alert, Lane-Keeping System, Max recline seat. Onboard Scales, Pedestrian Detection, Post-Collision Braking, Power Tailgate Release, Power Up/Down Tailgate, Pre-Collision Assist, Predictive Maintenance, Pro Power On-Board with up to 2kW, Pro Trailer Backup Assist™, Pro Trailer Hitch Assist, Rear View Camera, Top of tailgate camera and park aid sensors, Remote tailgate release, Reverse Brake Assist, Reverse Sensing System, Smart Hitch, Speed Sign Recognition, SYNC® 4 with standard 8" and available 12" display, Trail Control (Tremor), Trail Turn Assist (Tremor), Trailer Connection Check List, Trailer Light Check, Trailer Maintenance with customizable scheduled intervals, Trailer Navigation, Trailer Reverse Guidance, Trailer Theft Security, Trailer Tire Monitoring System – Pressure and temperature for up to 12 trailer tires, Up to 12 cameras available on Truck and Trailer, 360-degree truck & trailer bird's eye views, Upfitter Interface Module with new vehicle control features and customizable control naming, 6 upfitter switches, VIN Specific Towing Information, Wireless Phone Charging, Wireless Android Auto and Apple Car Play, Work-Surface available on bench seat, Zone Lighting

TRANSMISSIONS

TorqShift 10R100

Configuration	Aluminum 10-speed automatic	
Gear ratios	First	4.696:1
	Second	2.985:1
	Third	2.146:1
	Fourth	1.769:1
	Fifth	1.520:1
	Sixth	1.275:1
	Seventh	1:1
	Eighth	0.854:1
	Ninth	0.689:1
	10th	0.636:1
	Reverse	-4.866:1

TorqShift 10R140

Configuration	Aluminum 10-speed automatic	
Gear ratios	First	4.615:1
	Second	2.919:1
	Third	2.132:1
	Fourth	1.773:1
	Fifth	1.519:1
	Sixth	1.277:1
	Seventh	1:1
	Eighth	0.851:1
	Ninth	0.687:1
	10th	0.632:1
	Reverse	-4.695:1

SUSPENSION

Front configuration	Independent twin I-beam (narrow front track) with coil springs, shock absorbers, stabilizer bar (F-250 and F-350 4x2) Mono beam (narrow front track) with coil springs, shock absorbers, stabilizer bar (F-250 and F-350 4x4), mono beam (wide front track) with coil springs, shock absorbers, stabilizer bar (F-450)
Front shock absorber type	Heavy-duty gas
Rear configuration	Solid axle, leaf springs
Rear shock absorber type	Heavy-duty gas

STEERING

Type	Electric assist hydraulic recirculating ball
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BRAKES

Type	Four-wheel vented discs with ABS
Front (rotor diameter)	14.29 inches (363 mm), F-250 and F-350 15.39 inches (391 mm), F-450
Rear (rotor diameter)	14.29 inches (363 mm), F-250 and F-350 15.75 inches (400 mm), F-450

FUEL CAPACITY

	Regular Cab	SuperCab	Crew Cab
6.8-liter gas	34 gallons	34 gallons	34 gallons (160-inch wheelbase) 48 gallons (176-inch wheelbase)
7.3-liter gas	34 gallons	34 gallons	34 gallons (160-inch wheelbase) 48 gallons (176-inch wheelbase)
6.7-liter diesel	29 gallons (142-inch wheelbase)	29 gallons (148-inch wheelbase) 34 gallons (164-inch wheelbase)	34 gallons (160-inch wheelbase) 48 gallons (176-inch wheelbase)
High-output 6.7-liter diesel	TBD	TBD	TBD

WHEELS

Available sizes	17 inches, 18 inches or 20 inches, F-250 and F-350 17 inches DRW, F-350 19.5 inches DRW, F-450
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TIRES

Series	F-250	F-350 SRW	F-350 DRW	F-450
XL	245/75Rx17E BSW A/S	245/75Rx17E BSW A/S	245/75Rx17E BSW A/S	225/70Rx19.5G BSW Traction
XL off-road	33-inch, 285/70R17 A/T	33-inch, 285/70R17 A/T	N/A	N/A
XLT	275/65Rx18E BSW A/S	275/65Rx18E BSW A/S	245/75Rx17E BSW A/S	225/70Rx19.5G BSW Traction
Lariat	275/65Rx18E BSW A/S	275/65Rx18E BSW A/S	245/75Rx17E BSW A/S	225/70Rx19.5G BSW Traction
King Ranch	275/65Rx20E OWL A/T	275/65Rx20E OWL A/T	245/75Rx17E BSW A/S	225/70Rx19.5G BSW Traction
Platinum	275/65Rx20E OWL A/T	275/65Rx20E OWL A/T	245/75Rx17E BSW A/S	225/70Rx19.5G BSW Traction
Limited	275/65Rx20E OWL A/T	275/65Rx20E OWL A/T	245/75Rx17E BSW A/S	225/70Rx19.5G BSW Traction
Tremor	35-inch, 285/75R/18E BSW A/T	35-inch, 285/75R/18E BSW A/T	N/A	N/A

FORD F-SERIES SUPER DUTY®



EXTERIOR DIMENSIONS

	Regular Cab	SuperCab		Crew Cab	
		SWB	LWB	SWB	LWB
Wheelbase 4x2/4x4 (inches)	141.4/141.5	147.8/147.9	164.1/164.1	159.7/159.7	175.9/175.9
Overall length (inches)	231.8	238.2	254.4	250	266.2
Height, F-250 SRW 4x2/4x4 (without options) (inches)	78.9/81.4	79.3/81.5	79.1/81.5	79.3/81.6	79.0/81.4
Height, F-350 SRW 4x2/4x4 (without options) (inches)	78.8/81.3	79.3/81.4	79.0/81.3	79.2/81.4	78.9/81.2
Height, F-350 DRW 4x2/4x4 (without options) (inches)	79.4/81.3	N/A	79.1/81.4	N/A	79.5/81.5
Height, F-450 DRW (without options) (inches)	82	N/A	N/A	N/A	81.3
Width, SRW without mirrors (inches)	80	80	80	80	80
Width, DRW/SRW with standard mirrors (inches)	105.9	105.9	105.9	105.9	105.9
Front track, F-250 SRW (curb, in inches)	69.5	69.5	69.5	69.5	69.5
Front track, F-350 SRW (curb, in inches)	69.5	69.5	69.5	69.5	69.5
Front track, F-350 DRW (curb, in inches)	69.5	69.5	69.5	69.5	69.5
Front track, F-450 DRW (curb, in inches)	77	N/A	N/A	N/A	74.8
Rear track, F-250 SRW (curb, in inches)	67.2	67.2	67.2	67.2	67.2
Rear track, F-350 SRW (curb, in inches)	67.2	67.2	67.2	67.2	67.2
Rear track, F-350 DRW (curb, in inches)	74	N/A	74	N/A	74
Rear track, F-450 DRW (curb, in inches)	74	N/A	N/A	N/A	74
Min. running ground clearance, F-250 SRW 4x2/4x4 (inches)	9.7/9.4	9.9/9.3	10.2/9.7	9.9/9.2	10.2/9.5
Min. running ground clearance, F-350 SRW 4x2/4x4 (inches)	9.7/9.3	9.9/9.2	10.2/10.6	10.1/9.1	10.2/9.4
Min. running ground clearance, F-350 DRW 4x2/4x4 (inches)	9.9/9.2	N/A	10.2/9.4	N/A	10.2/9.8
Min. running ground clearance, F-450 DRW (inches)	8.6	N/A	N/A	N/A	10.3
Front overhang 4x2/4x4 (inches)	38.2/38.3	38.2/38.3	38.2/38.3	38.2/38.3	38.2/38.3
Rear overhang 4x2/4x4 (inches)	52.2/50	52.2/50	52.2/50	52.2/50	52.2/50
Angle of departure, F-250 SRW 4x2/4x4 (degrees)	19.7/21.3	19.1/20.9	18.7/20.8	19.3/21.1	18.9/20.8
Angle of departure, F-350 SRW 4x2/4x4 (degrees)	19.4/21.1	18.9/20.8	18.5/20.6	19.0/20.9	18.7/20.6
Angle of departure, F-350 DRW 4x2/4x4 (degrees)	20.7/21.5	N/A	18.7/20.9	N/A	20.0/20.9
Angle of departure, F-450 DRW 4x2/4x4 (degrees)	21.6/21.5	N/A	N/A	N/A	20.8
Ramp breakover angle, F-250 SRW 4x2/4x4 (degrees)	20.0/24.7	19.5/23.3	20.7/21.9	18.5/21.9	17.3/20.5
Ramp breakover angle, F-350 SRW 4x2/4x4 (degrees)	19.4/21.1	19.3/23.2	18.3/21.7	18.4/21.7	17.2/20.3
Ramp breakover angle, F-350 DRW 4x2/4x4 (degrees)	20.7/21.5	N/A	22.7/21.8	N/A	17.4/20.7
Ramp breakover angle, F-450 DRW 4x2/4x4 (degrees)	25.4/25.4	N/A	N/A	N/A	20.7
Angle of approach, F-250 SRW 4x2/4x4 (degrees)	16.7/15.8	21.2/26.9	21.8/27.6	21.2/26.7	21.7/27.3
Angle of approach, F-350 SRW 4x2/4x4 (degrees)	16.6/15.7	21.1/15.5	17.4/16.2	21.5/26.6	21.8/27.2
Angle of approach, F-350 DRW 4x2/4x4 (degrees)	20.7/21.5	N/A	21.7/27.2	N/A	21.7/27.7
Angle of approach, F-450 DRW 4x2/4x4 (degrees)	18.5/18.5	N/A	N/A	N/A	26.9
Open tailgate to ground, F-250 SRW 4x2/4x4 (inches)	36.5/37.6	36.0/37.2	35.6/37.0	35.3/38.1	35.2/36.8
Open tailgate to ground, F-350 SRW 4x2/4x4 (inches)	36.3/37.4	35.8/37.1	35.4/36.9	35.3/36.9	35.0/36.6
Open tailgate to ground, F-350 DRW 4x2/4x4 (inches)	37.3/37.7	N/A	35.6/37.1	N/A	36.2/36.9
Open tailgate to ground, F-450 DRW 4x2/4x4 (inches)	38.3/38.1	N/A	N/A	N/A	36.8

FORD F-SERIES SUPER DUTY®



INTERIOR DIMENSIONS (INCHES UNLESS OTHERWISE NOTED)

	Regular Cab	SuperCab	Crew Cab
Seating	Three	Six	Six
Front headroom	40.8	40.8	40.8
Front legroom, SAE	43.9	43.9	43.9
Front shoulder room	66.7	66.7	66.7
Front hip room	62.5	62.5	62.5
Rear headroom	N/A	40.3	40.4
Rear legroom, SAE	N/A	33.5	43.6
Rear shoulder room	N/A	65.8	65.9
Rear hip room	N/A	64.7	64.7

CAPACITIES

	Regular Cab	SuperCab		Crew Cab	
	8-foot cargo box	6 ¾-foot cargo box	8-foot cargo box	6 ¾-foot cargo box	8-foot cargo box
Volume	78.5 cu.-ft.	65.4 cu.-ft.	78.5 cu.-ft.	65.4 cu.-ft.	78.5 cu.-ft.
Length at floor	98.1 inches	81.9 inches	98.1 inches	81.9 inches	98.1 inches
Height	21.1 inches	21.1 inches	21.1 inches	21.1 inches	21.1 inches
Width at floor (maximum)	66.9 inches	66.9 inches	66.9 inches	66.9 inches	66.9 inches
Width between wheelhouse	50.5 inches	50.5 inches	50.5 inches	50.5 inches	50.5 inches
Tailgate width	60.5 inches	60.5 inches	60.5 inches	60.5 inches	60.5 inches

WARRANTY

Bumper-to-bumper	Three years/36,000 miles
Powertrain	Five years/60,000 miles. Diesel, five years/100,000 miles
Corrosion (perforation only)	Five years/unlimited miles
Roadside assistance	Five years/60,000 miles

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