

2020 FORD F-150 RAPTOR

TECHNICAL SPECIFICATIONS



BODY

Construction/materials	High strength steel frame, aluminum cabin and bed
Body style	SuperCab, SuperCrew®
Final assembly location	Dearborn Truck Plant

DRIVETRAIN

Layout standard	Front engine, Torque-On-Demand® 4x4, Electronic-Locking Rear Differential with 4.10 rear-axle
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ENGINE

	Hi-Output 3.5-liter EcoBoost V6
Configuration	Twin-turbocharged and intercooled 60 degree V6, overhead cams
Block/head material	Aluminum block, aluminum heads
Displacement	3.5 liters (213 cubic inches)
Bore x stroke	3.64 inches x 3.41 inches
Compression ratio	10.0:1
Valvetrain	roller finger follower
Pistons material	Aluminum alloy
Ignition system	coil on plug
Recommended fuel	Premium unleaded
Fuel delivery	Port fuel injection with direct injection
Engine control system	Electronic
Oil capacity	6 quarts
Coolant capacity	14.35 liters
SAE Horsepower	450 hp @5000 rpm
SAE Torque	510 lb.-ft. @3500 rpm
Build location	Cleveland, OH

ELECTRICAL

Alternator	Standard: Single 220A
Battery group, CCA	H7 AGM 80AH 800CCA

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TRANSMISSION

	10-Speed SelectShift® Automatic	
Configuration	Electronically controlled hydraulic 10 speed automatic	
Gear Ratios	First	4.69
	Second	2.98
	Third	2.14
	Fourth	1.76
	Fifth	1.52
	Sixth	1.27
	Seventh	1
	Eighth	0.85
	Ninth	0.69
	Tenth	0.63
Reverse	4.86	
Cooling	Warm up unit with thermostatic fin cooler	

TRANSFER CASE (4x4 ONLY)

4-high drive ratio	1:1
4-low drive ratio	2.64:1

FINAL DRIVE

Final drive rear axle ratio	4.10:1
Final drive front axle ratio	4.10:1
Final drive front axle ratio (optional)	4.10:1 w/TORSEN® Differential

SUSPENSION (F-150 RAPTOR)

Front configuration	Independent double-wishbone with coil-over shock and cast aluminum lower control arm
Front shock absorber type/diameter	High-output, gas-pressurized, electronically controlled, continuously variable compression damping FOX Racing Shox™
Rear configuration	Leaf spring/solid axle
Rear shock absorber type/diameter	High-output, gas-pressurized, electronically controlled, continuously variable compression damping FOX Racing Shox™

STEERING

Type	Electric power-assisted
Ratio	17.1:1

BRAKES

Front type	Power anti-lock vented disc
Front rotor diameter/thickness/material	350x34 iron
Front caliper configuration	2x54 sliding caliper
Front pad material	FER4531
Front swept area	51547.25 mm ²
Rear type	Power anti-lock vented disc
Rear rotor diameter/thickness/material	336x24 iron
Rear caliper configuration	1x54mm sliding eiPB
Rear pad material	GA9101S
Rear swept area	40997.78 mm ²

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FUEL CAPACITY

SuperCrew®	36 gallons
SuperCab	26 gallons

PARKING/EMERGENCY BRAKE

Electronic parking brake

SAFETY/CONTROL SYSTEMS

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 Safety Canopy® side curtains
Chassis safety	Tire Pressure Monitoring System (TPMS), SOS Post-Crash Alert System™
Active driver assist	Curve Control, Lane-Keeping System, Lane Departure Warning, Adaptive Cruise Control with Stop-and-Go BLIS® (Blind Spot Information System) with Cross-Traffic Alert and Trailer Tow Monitoring

WHEELS

Standard	17-Inch Cast Aluminum Wheels with high-gloss machined face and magnetic-painted pockets, 315/70 R17 BFGoodrich® All-Terrain T/A® KO2 Tires
Optional	17-inch forged aluminum bead-lock capable wheels, 315/70 R17 BFGoodrich® All-Terrain T/A® KO2 Tires
Spare	Full-size spare and wheel (cast aluminum or forged, depending on wheel option)

HEADLIGHTS

Headlamps	Quad beam led headlamps with daytime running lamps
Taillamps	LED taillamps
Aux	Daytime running lamps, cargo lamp, integrated marker lights, tailgate LED, LED side-mirror spotlights (optional)

EXTERIOR DIMENSIONS (INCHES UNLESS OTHERWISE NOTED)

	SuperCab	SuperCrew®
Wheelbase	134.2	146
Overall length	220	231.9
Overall width	96.8	96.8
Width w/o mirrors	86.3	86.3
Overall height	78.5	78.5
Track width, front	73.9	73.9
Track width, rear	73.6	73.6
Ground clearance	11.5	11.5
Approach angle	30.2°	30.2°
Departure angle	23.1°	23°
Breakover angle	22.9°	21.8°
Curb weight	5,525 lbs	5,697 lbs

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INTERIOR DIMENSIONS (INCHES UNLESS OTHERWISE NOTED)

	SuperCab	SuperCrew®
Seating	Five	Five
Front headroom	40.8	40.8
Front headroom with sunroof		
Maximum front legroom	43.9	43.9
Front shoulder room	66.7	66.7
Front hip room	62.5	62.5
Rear headroom	40.3	40.4
Rear headroom with sunroof		
Maximum rear legroom	33.5	43.6
Rear shoulder room	65.8	65.9
Rear hip room	64.7	64.7

CAPACITIES (INCHES UNLESS OTHERWISE NOTED)

	5.5-ft. bed
Length at floor	67.1
Width at wheelhouse	50.6
Maximum width inside box	65.2
Rear opening width	60.3
Cargo capacity	52.8 cu. ft.
Tailgate to ground	36.4

TECHNOLOGY

Available on-road	AdvanceTrac® with Roll Stability Control™, Blind Spot Information System with Trailer Coverage, curve control, Lane-Keeping System, Adaptive Cruise Control, Pre-Collision Assist with Automatic Emergency Braking, In Cabin: 8" productivity screen, SiriusXM Satellite Radio, B&O PLAY premium audio system with single-CD and HD radio™, SYNC® 3, SYNC® Connect with WiFi® hotspot, voice-activated navigation with SiriusXM Traffic and Travel Link®, 360-Degree Camera with split-view display
Off-Road*	Terrain Management System™, Trail Control™
General*	Intelligent Access with push-button start, Remote Starter System, LED headlamps, LED tail lamps, SecuriCode™, rain sensing wipers, MyKey®, rear view camera with Dynamic Hitch Assist, Pro Trailer Backup Assist, SOS Post-Crash Alert System™

WARRANTY

Bumper-to-bumper	3 years/36,000 miles
Powertrain	5 years/60,000 miles
Aluminum body panels	5 years/unlimited miles
Corrosion - sheetmetal (Perforation only excluding aluminum)	5 years/unlimited miles
Paint adhesion	5 years/unlimited miles
Roadside assistance	5 years/60,000 miles

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