2022 FORD BRONCO RAPTOR

TECHNICAL SPECIFICATIONS



BODY

Vehicle type	Midsize four-door rugged 4x4 SUV
Packages	Mid Package and High Package (standard); Lux Package (available)
Final assembly location	Michigan Assembly Plant, Wayne, Michigan

DRIVETRAIN

Layout	Front engine 3.0-liter twin turbo EcoBoost® V6, 10-speed automatic transmission, 2-speed torque-on-demand 4x4 with mechanical lock, and electronic locking rear differential with 4.70 rear axle

ENGINE

	3.0-liter EcoBoost®
Configuration	60-degree V6, compacted graphite iron block, aluminum head
Displacement	180.0 cu. in.
Bore x stroke	85.4 mm x 86.0 mm
Compression ratio	10.5:1
Fuel delivery	Direct injection
Engine control system	PCM
Pistons	Cast aluminum
Connecting rods	Forged steel
Crankshaft	Forged steel
Intake manifold	Composite shell welded with runner pack
Exhaust manifold	Integrated into aluminum head
Valvetrain	DOHC, roller finger follower, hydraulic compensating lash adjusters, four valves per cylinder, twin independent variable camshaft timing
Valve diameter / lift	Intake: 10 mm / 32.5 mm Exhaust: 9 mm / 28.3 mm
Ignition	Coil-on-plug
Recommended fuel	Regular unleaded
Oil capacity	7 quarts with oil filter
Coolant capacity	12.4 liters
Advertised fuel capacity	21.2 gallons
Exhaust system	Double catalyst with resonator and single muffler with active valve technology
Alternator	Standard: Single 240A
Battery group	H7 AGM 80 AH 800 CCA
SAE horsepower (regular fuel)	TBD
SAE torque (regular fuel)	TBD
SAE horsepower (premium fuel)	TBD
SAE torque (premium fuel)	TBD
Build location	Lima Engine Plant

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TRANSMISSION

Standard	10-speed SelectShift™ automatic

GEAR RATIOS

First	4.714:1
Second	2.997:1
Third	2.149:1
Fourth	1.769:1
Fifth	1.521:1
Sixth	1.275:1
Seventh	1.000:1
Eighth	0.853:1
Ninth	0.689:1
Tenth	0.636:1
Reverse	-4.885:1

TRANSFER CASE

	2-speed transfer case with 4H, 4L and 4A mode for automatic on-demand engagement
Maximum crawl ratios	67.88:1
Flat-tow capacity	Yes

AXLES

Front	Dana 44™ AdvanTEK™ M210 independent suspension with Spicer® Performa-TraK electronic locker (ratio 4.70)
Rear	Dana 50™ heavy-duty AdvanTEK™ M235 solid differential with Spicer® Performa-TraK electronic locker (ratio 4.70)

CHASSIS

Type	Body-on-frame, fully boxed high-strength steel frame with seven cross members. Raptor HOSS 4.0 (High-Performance Off-Road Stability Suspension) system with low-mass independent front suspension, five-link solid rear axle with Panhard rod and outboard coilover springs

SUSPENSION

	Raptor HOSS 4.0 (High-Performance Off-Road Stability Suspension system) with FOX™ Live Valve technology with position-senstive damping and FOX 3.1 Internal Bypass Semi-Active Dampers uniquely tuned at the front and rear; integrated reservoirs in front, remote reservoirs in rear.
Suspension travel	13 in. (front), 14 in. (rear)
Approach angle	47.2 degrees
Ramp breakover angle	30.8 degrees
Departure angle	40.5 degrees
Minimum running ground clearance	13.1 inches
Maximum water fording	37.0 inches

STEERING

Type	Three-mode rack-and-pinion steering with standard comfort and sport modes controlled via Terrain Management System™ with G.O.A.T. Modes™ (Goes Over Any Type of Terrain)

BRAKES

Type	Four-wheel power disc brakes with four-sensor, four-channel anti-lock braking system and electronic stability control
Boost	Electronically controlled brake boost

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FRONT BRAKES

Brake configuration	Vented discs, dual piston sliding caliper
Rotor diameter / thickness	350 mm x 34 mm
Pad material	Non-asbestos organic
Caliper type	2 mm x 51 mm sliding caliper
Pad swept area	51,547 mm^2

REAR BRAKES

Brake configuration	Vented discs with single-piston sliding caliper, electronic integrated parking brake
Rotor diameter / thickness	336 mm x 20 mm
Pad material	Non-asbestos organic
Caliper type	1 mm x 54 mm sliding caliper with eIPB
Pad swept area	40,998 mm^2

BODY

Standard top	Removable Carbonized Gray molded-in-color
Roof panel weight	13.6 lbs. (front left); 14.5 lbs. (front right); 28.1 lbs. (mid-panel)
Doors / storage	Four removable frameless doors
Door weight	55 lbs. (front); 44 lbs. (rear)
Removable sections	Doors, roof panels, front fenders, rear quarter panels, front bumper end caps
Rock rail with removable running boards	Standard
Underbody protection	Heavy-duty full vehicle steel bash plates
Front bumper	Ford Performance heavy-duty modular with Rigid® fog lamp
Tow hooks	2 front, 2 rear - Standard
Reinforced swing gate	Standard
Unique splash guards	Front and rear - Standard
Washout vinyl flooring with drain plugs	Standard
Trail sights with 150-pound tie-down capacity	Standard

OFF-ROAD TECHNOLOGY

Terrain Management System with G.O.A.T. Modes	Standard - with 7 modes, including Normal, Slippery, Tow/Haul, Sport, Off-Road, Rock Crawl and Baja modes
Trail control	Standard
Trail turn assist	Standard
Trail one-pedal drive	Standard

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IN-VEHICLE TECHNOLOGY

Standard	HMI / audio system, SYNC® 4 system with Enhanced Voice Recognition
	Wireless phone connection
	AppLink® with app catalog
	911® Assist
	Wireless Apple CarPlay® and Android Auto™ compatability
	Digital owner's manual
	Information on Demand
	360-degree camera
	Front parking sensors
	12-inch LCD capacative touchscreen with swipe capability
	12-inch digital instrument cluster
	Seven-speaker audio system including subwoofer
Optional	10-speaker B&O® sound system
	Connected built-in navigation with three years of service, pinch-to-zoom capability, live traffic, predictive destinations a nd route guidance
	Heated steering wheel
	Wireless charging pad

FORD CO-PILOT360™ TECHNOLOGY

Standard	Auto high-beam headlamps
	Pre-Collision Assist with automatic emergency braking, with Pedestrian Detection, Forward collision warning, and dynamic brake support
	Hill start assist
	Rearview camera with backup assist grid lines
	BLIS® (Blind Spot Information System) with Cross-Traffic Alert
	Lane-Keeping System with Lane-Keeping Alert, Lane-Keeping Aid and Driver Alert
Optional	Adaptive Cruise Control
	Evasive Steering Assist

SAFETY CONTROL SYSTEMS

ABS/stability control	AdvanceTrac® with Roll Stability Control,® electronic stability control, trail sway control, electric power-assisted steering and ABS
Airbags	First-row driver and passenger dual-stage front and seat side airbags; Safety Canopy side-curtain airbags with rollover sensors for all rows

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LIGHTING / CONVENIENCE

Standard	Bronco signature LED lighting
	Rigid® LED fog lamps
	Mirror LED approach lamps and LED spotlights
	Overhead upfitter switches with six-prewired user-defined electrical connections
	Dual-control HVAC automatic temperature control
	Heated front-row seats
	Central locking system with keyless entry and push-button start
	Two-door Intelligent Access with lock/unlock
	Remote start system with FordPass Connect
	Power windows
	Ambient footwell lighting
	Auto-dimming rearview mirror
	Illuminated sliding visor vanity mirror
	Connected navigation with 90-day trial, pinch-to-zoom capability, live traffic, predictive destinations, route guidance and One Box Search
	Dual-Zone Electronic Automatic Temperature Control
	Power outlet on center console

WHEELS

Standard	17-inch black high-gloss painted alloy
Optional	17-inch Magnetic low-gloss alloy painted, beadlock-capable cast aluminum
	17-inch Dark Carbonized Gray alloy painted, beadlock-capable forged

TIRES

Standard	37 x 12.5R17 All-Terrain

DIMENSIONS / CAPACITIES

Wheelbase	116.5 inches
Length	191.0 inches
Height	77.8 inches
Width (with mirrors folded)	85.7 inches
Width (with mirrors out)	86.9 inches
Track width (front/rear)	73.2 inches / 73.6 inches
Front overhang	32.0 inches
Rear overhang	42.4 inches
Seating capacity	Five
Passenger volume	103.7 cu. ft.
Behind first row	73.0 cu. ft.
Behind second row	33.4 cu. ft.
Behind second row (optimized)	37.1 cu. ft.
Effective headroom (first row)	40.8 inches
Effective headroom (second row)	40.1 inches
Maximum legroom (first row/ driver)	43.1 inches
Effective legroom (second row)	36.3 inches
Hip room (first row)	55.9 inches
Hip room (second row)	54.8 inches
Shoulder room (first row)	57.1 inches
Shoulder room (second row)	56.5 inches
Base curb weight	5,733 lbs.

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CARGO AREA DIMENSIONS

Lift-in height	35.9 inches
Cargo height	36.0 inches
Rear opening height	36.2 inches
Maximum cargo height	40.4 inches
Cargo length (closed - front)	70.0 inches
Cargo length (closed - second)	32.4 inches
Maximum cargo length (closed - second)	37.6 inches
Cargo length above floor (behind front row)	62.8 inches
Cargo length above floor (behind second row)	29.4 inches
Maximum cargo length above floor (behind second row)	30.9 inches
Compartment width (maximum)	54.8 inches
Cargo width (wheel house)	43.1 inches
Rear opening width (lower)	42.4 inches

MAX. CONVENTIONAL TOWING CAPABILITIES

Payload (without options)	1,100 lbs.
Trailer tow	4,500 lbs.
GVWR	6,850 lbs.
FGAWR	3,600 lbs.
RGAWR	3,450 lbs.
Maximum GCWR	10,650 lbs.

WARRANTY

Bumper-to-bumper	Three-year/36,000 miles
Powertrain	Five years/60,000 miles
Corrosion	Five years/unlimited miles
Roadside assistance	24-hour/day (3 years/36,000 miles)

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