

2022 FORD RANGER RAPTOR

TECHNICAL SPECIFICATIONS



BODY

Construction/materials	Heavy-duty fully boxed steel chassis frame, reinforced C-pillar and load box, hydroformed front end, Raptor-specific mounts for jounce bumper, shock tower and rear shock bracket, 2.3 mm-thick high-strength steel bash plate, engine underguard and transfer case shield, dual recovery hooks
Body styles	Double cab
Assembly location	Ford Thailand Manufacturing plant, Rayong, Thailand

DRIVETRAIN

Engine	3.0-litre twin-turbo EcoBoost petrol, electronically-controlled four-way active exhaust (Quiet, Normal, Sport, Baja)
Transmission	10-speed automatic transmission, full-time four-wheel drive system, electronically-controlled on-demand two-speed transfer case, locking front and rear differentials

PERFORMANCE & ECONOMY

Engine	Power (PS)	CO ₂ (g/km) ¹	Fuel efficiency (l/100 km) ¹	Max speed (km/h)	0-100 km/h (sec)
3.0-litre twin-turbo EcoBoost	292	315	13.8	180	7.9

POWERTRAIN

	3.0-litre twin-turbo EcoBoost											
Capacity (cc)	2956											
Bore x stroke (mm)	85.4 x 86.00											
Peak power (PS)	292 at 5500 rpm											
Peak torque (Nm)	491 at 2300 rpm											
Compression ratio	10.5:1											
Cylinder block	compacted graphite-iron, V6											
Cylinder head	Cast aluminium, integrated exhaust manifold											
Camshaft drive	Crankshaft driven featuring silent chain drive with improved NVH and durability											
Valve gear	DOHC with 4 valves per cylinder, hydraulic lash adjusters, roller-finger followers											
Turbocharger	Twin monoscroll turbochargers with electrically-actuated turbo wastegates. High-temperature alloy turbine housing, optimised compressor wheel, enlarged compressor housings for maximum boost, water-cooled bearing housing, dedicated compressor and turbine stages											
Lubrication	Pressure-fed lubrication system, variable-stage displacement oil pump to better modulate oil flow and reduce parasitic losses											
Fuel injection	High-pressure direct injection system											
Gear ratios	10th	9th	8th	7th	6th	5th	4th	3rd	2nd	1st	Reverse	
	0.636	0.689	0.853	1.000	1.275	1.521	1.769	2.149	2.997	4.714	-4.866	
	Final drive		4.27:1									
	High range		1:1									
	Low range		3.07:1									

STEERING

Type	Rack and pinion with Electric Power Assisted Steering (EPAS), three-way adjustable (Normal, Sport, Comfort)
Ratio	17.6:1
Turning circle (kerb-to-kerb) (m)	13

¹ The declared WLTP fuel/energy consumptions, CO₂-emissions and electric range are determined according to the technical requirements and specifications of the European Regulations (EC) 715/2007 and (EU) 2017/1151 as last amended. The applied standard test procedures enable comparison between different vehicle types and different manufacturers.

Note: The data information in this press release reflects preliminary specifications and was correct at the time of going to print. However, Ford policy is one of continuous product improvement. The right is reserved to change these details at any time.



SUSPENSION

Front configuration	Independent SLA with aluminium control arms
Front shock absorber type	FOX® 2.5-inch Live Valve internal bypass shock absorbers with position-sensitive damping capability
Rear configuration	Multi-link solid rear axle, coil springs, trailing arms, Watt's link
Rear shock absorber type	FOX® 2.5-inch Live Valve internal bypass shock absorbers with position-sensitive damping capability
Drive modes	Three-way adjustable (Normal, Sport, Off-Road)

BRAKES

Front type	Ventilated discs
Front rotor diameter (mm)	324x34 mm
Front caliper	Twin piston
Rear type	Ventilated discs
Rear rotor diameter (mm)	332x32 mm
Rear caliper	Twin piston
Parking brake	Electric park brake

SAFETY/CONTROL SYSTEMS ²

ABS/Stability Control	Anti-Lock Braking System (ABS), Electronic Stability Control (ESC), Integrated Electric Trailer Brake Controller, Roll Stability Control (RSC), Traction Control System (TCS)
Airbags	Front – driver and passenger Front – driver and passenger seat-mounted side Front – interaction airbag between driver and passenger
Chassis safety	Tyre Pressure Monitoring System (TPMS)

DRIVER ASSIST TECHNOLOGIES ²

Active Park Assist, Blind Spot Assist, Blind Spot Information System with Trailer Coverage, Collision Mitigation System, Evasive Steer Assist, front and rear parking sensors, Hill Descent Control, Intelligent Adaptive Cruise Control with Stop & Go and Lane Centring, Intelligent Speed Limiter, Lane-Keeping System with Road Edge Detection, Matrix LED headlamps with predictive curve light, Post-Impact Braking, Pre-Collision Assist with Automatic Emergency Braking, Pro Trailer Backup Assist, Reverse Brake Assist, Terrain Management System, Trail Control, 360-degree camera

CONNECTIVITY AND CONVENIENCE

Connectivity	10-speaker B&O sound system, ³ 12-inch dashboard touchscreen with SYNC 4A infotainment system and conversational voice control, ⁴ 12.4-inch configurable digital instrument cluster, Connected Navigation, ⁵ FordPass Connect modem, Ford Power-Up software updates, Remote Door Lock/Unlock, Remote Start, Stolen Vehicle Services, Vehicle Health Alerts, wireless Apple CarPlay and Android Auto connectivity, ⁶ wireless charge pad
Convenience	10-way power adjustable heated driver and front passenger seats, 400W 12V/240V socket in load bed, ambient LED lighting, Dual-Zone Automatic Climate Control, heated leather-wrapped steering wheel, Isofix mountings on rear seats, Keyless Entry, power heated folding door mirrors, Quickclear heated windscreen, rain-sensing wipers, Zone Lighting

² Driver-assist features are supplemental and do not replace the driver's attention, judgment and need to control the vehicle. It does not replace safe driving. Evasive Steer Assist and Lane-Keeping System do not control steering. Pre-Collision Assist with Automatic Emergency Braking detects pedestrians, but not in all conditions, and can help avoid or reduce a collision. It does not replace safe driving. See Owner's Manual for details and limitations.

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⁴ Don't drive while distracted or while using handheld devices. Use voice-operated systems when possible. Some features may be locked out while the vehicle is in gear. Not all features are compatible with all phones.

⁵ Connected Navigation: Navigation services require SYNC®4 and FordPass Connect, complimentary Connected Service and the FordPass app (see FordPass Terms for details). Eligible vehicles receive a complimentary 90-day trial of navigation services that begins on the new vehicle warranty start date. Customers must unlock the navigation service trial by activating the eligible vehicle with a FordPass member account. Annual service contract is required for connected navigation services. Connected service and features depend on compatible network availability. Evolving technology/cellular networks/vehicle capability may limit functionality and prevent operation of connected features. FordPass App, compatible with select smartphone platforms, is available via a download. Message and data rates may apply.

⁶ Requires phone with active data service and compatible software. SYNC 4A does not control 3rd party products while in use. 3rd Parties are solely responsible for their respective functionality.



WHEELS AND TYRES

17 x 8.5-inch unique Raptor alloy wheels with Continental General Grabber LT 285/70 R17 A/T tyres

WEIGHTS

Kerbweight (kg)	2454
Gross Vehicle Mass (kg)	3130
Payload (kg) ⁷	652
Gross Train Mass (kg)	5370
Max. towing (braked) (kg) ⁸	2500
Roof load (kg)	350 kg static/ 80 kg dynamic

DIMENSIONS

Exterior (mm)	Overall length	5360
	Overall width with/without mirrors	2208/2028
	Overall height	1926
	Wheelbase	3270
	Running ground clearance	265
	Wading depth	850
	Front track	1710
	Rear track	1710
	Front overhang	865
Rear overhang	1225	
Angles (deg.)	Approach angle	32
	Departure angle	24
	Ramp/breakover angle	24
Interior (mm)	Front headroom	1022
	Front max. legroom (lowest rearmost seating position)	1059
	Front shoulder room	1450
	Rear headroom	982
	Rear legroom	877
Rear shoulder room	1440	
Cargo bed (mm)	Max width	1224
	Depth	529
	Length	1564
	Liftover height at kerb (unloaded weight)	877
Fuel tank capacity (litres)	80	

⁷ Max payload varies and is based on accessories and vehicle configuration. See label on doorjamb for carrying capacity of a specific vehicle.

⁸ Max towing varies based on cargo, vehicle configuration, accessories and number of passengers.

