**ALL-NEW FORD RANGER RAPTOR – TECHNICAL SPECIFICATION**

**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) | CO2 (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 |

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.

**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 |

**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 calliper | Twin piston |
| Rear type | Ventilated discs |
| Rear rotor diameter (mm) | 332x32 mm |
| Rear calliper | 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  
  
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.

**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 |

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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 |

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.

**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 |

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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.

***About Ford Motor Company***

*Ford Motor Company (NYSE: F) is a global company based in Dearborn, Michigan, that is committed to helping build a better world, where every person is free to move and pursue their dreams.  The company’s Ford+ plan for growth and value creation combines existing strengths, new capabilities and always-on relationships with customers to enrich experiences for and deepen the loyalty of those customers.  Ford develops and delivers innovative, must-have Ford trucks, sport utility vehicles commercial vans and cars and Lincoln luxury vehicles, as well as connected services.  Additionally, Ford is establishing leadership positions in mobility solutions, including self-driving technology, and provides financial services through Ford Motor Credit Company.  Ford employs about 176,000 people worldwide.  More information about the company, its products and Ford Credit is available at corporate.ford.com.*

***Ford of Europe*** *is responsible for producing, selling and servicing Ford brand vehicles in 50 individual markets and employs approximately 35,000 employees at its wholly owned facilities and consolidated joint ventures and approximately 54,000 people when unconsolidated businesses are included. In addition to Ford Motor Credit Company, Ford Europe operations include Ford Customer Service Division and 14 manufacturing facilities (eight wholly owned facilities and six unconsolidated joint venture facilities). The first Ford cars were shipped to Europe in 1903 – the same year Ford Motor Company was founded. European production started in 1911.*

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